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***Resumen de la búsqueda:***

Total de trabajos publicados: **133**

Total de citas duras: **1650**

Índice H: **22**

Trabajo más citado: **con 129 citas duras**

2.1.a.53. Tonatiuh Matos and Luis A. Ureña. Further Analysis of a Model with Quintessence and Scalar Dark Matter. Phys Rev. D63, (2001), 063506. Available at: astro-ph/ 0006024

Revista con mayor Factor de Impacto: **con 5.877**

ASTROPHYSICAL JOURNAL

(Ver tablas adjuntas)

**Fuente de búsqueda:** Web of Science (Core Collection)

**Período de búsqueda:** 1900 a enero 14, 2022.

**Publicados en extenso en revistas de prestigio internacional con arbitraje estricto (2.1.a.)**

- 2.1.a.1. **Tonatiuh Matos.** The Linear Problem for the Five Dimensional Projective Field Theory. Astron. Nachr. 307, (1986), 317-320.
- 2.1.a.2. **Tonatiuh Matos.** Solitons in Five-dimensional Gravity. Gen. Rel. Grav. 19, (1987), 481-492.

6 citas

**Title:** Expanding (n+1)-dimensional wormhole solutions in Brans-Dicke cosmology  
**Author(s):** Ebrahimi, E (Ebrahimi, E.); Riazi, N (Riazi, N.)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 2 **Article Number:** 024036 **DOI:** 10.1103/PhysRevD.81.024036 **Published:** JAN 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** New features of extended wormhole solutions in the scalar field gravity theories  
**Author(s):** Nandi, KK (Nandi, Kamal K.); Nigmatzyanov, I (Nigmatzyanov, Ilnur); Izmailov, R (Izmailov, Ramil); Migranov, NG (Migranov, Nail G.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 25 **Issue:** 16 **Article Number:** 165020 **DOI:** 10.1088/0264-9381/25/16/165020 **Published:** AUG 21 2008  
**Language:** English  
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**Title:** Rotating dyonic dipole black rings: exact solutions and thermodynamics  
**Author(s):** Yazadjiev, SS (Yazadjiev, Stoytcho S.)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 39 **Issue:** 5 **Pages:** 601-620 **DOI:** 10.1007/s10714-007-0406-6 **Published:** MAY 2007  
**Language:** English  
**Document Type:** Article  
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**eISSN:** 1572-9532

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**Title:** Dilaton black holes with squashed horizons and their thermodynamics  
**Author(s):** Yazadjiev, SS (Yazadjiev, Stoytcho S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 2 **Article Number:** 024022 **DOI:** 10.1103/PhysRevD.74.024022 **Published:** JUL 2006  
**Language:** English

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**Title:** Astrophysical implications of higher-dimensional gravity

**Author(s):** Liko, T (Liko, T); Overduin, JM (Overduin, JM); Wesson, PS (Wesson, PS)

**Source:** SPACE SCIENCE REVIEWS **Volume:** 110 **Issue:** 3-4 **Pages:** 337-357 **DOI:** 10.1023/B:SPAC.0000023441.20373.6d **Published:** 2004

**Language:** English

**Document Type:** Review

**ISSN:** 0038-6308

**eISSN:** 1572-9672

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**Title:** Kaluza-Klein gravity

**Author(s):** Overduin, JM (Overduin, JM); Wesson, PS (Wesson, PS)

**Source:** PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS **Volume:** 283 **Issue:** 5-6 **Pages:** 303-378 **DOI:** 10.1016/S0370-1573(96)00046-4 **Published:** APR 1997

**Language:** English

**Document Type:** Review

**ISSN:** 0370-1573

- 2.1.a.3. **Tonatiuh Matos.** Magnetized Schwarzschild Solution in Five Dimensional Gravity. Phys. Rev. D38, (1988), 3008-3010.

1 cita

**Title:** A MAGNETIZED OBJECT IN KALUZA-KLEIN THEORY

**Author(s):** KRORI, KD (KRORI, KD); SARMAH, JC (SARMAH, JC)

**Source:** CANADIAN JOURNAL OF PHYSICS **Volume:** 68 **Issue:** 7-8 **Pages:** 649-654 **DOI:** 10.1139/p90-096 **Published:** JUL-AUG 1990

**Language:** English

**Document Type:** Article

**ISSN:** 0008-4204

- 2.1.a.4. **Tonatiuh Matos.** SL (3,R) Representation of Invariance Transformations in Five-dimensional Gravity. Phys. Lett A131, (1988), 423-426.

- 2.1.a.5. **Tonatiuh Matos.** Subspaces and Subgroups in Five-dimensional Gravity. Ann. Phys. (Leipzig) 46, (1989), 462-472.

1 cita

**Title:** Symmetries of the stationary Einstein-Maxwell-dilaton system

**Author(s):** Galtsov, D (Galtsov, D); Garcia, A (Garcia, A); Kechkin, O (Kechkin, O)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 12 **Issue:** 12 **Pages:** 2887-2903 **DOI:** 10.1088/0264-9381/12/12/007 **Published:** DEC 1995

**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381

- 2.1.a.6. **Tonatiuh Matos.** Ecuaciones de Chiral en Teorias de Gravitación. Rev. Mex. Fís. 35, (1989), 208-221.
- 2.1.a.7. Ramón Fuentes Villaseñor, José Luis López Bonilla, Gerardo Ovando Zuñiga y **Tonatiuh Matos.** Spacetime of Class One. Gen. Rel. Grav. 21 (1989), 777-784.
- 2.1.a.8. Gonzalo Ares de Parga, Jose Luis Lopez Bonilla, Gerardo Ovando Zuñiga y **Tonatiuh Matos.** Lanczos Potential and Lienard-Wiechert's Field. Rev. Mex. Fís. 35, (1989), 393-409.
- 2.1.a.9. Ricardo Becerril and **Tonatiuh Matos.** Bonnor Solution in Five-dimensional Gravity. Phys. Rev. D41, (1990), 1895-1896.

1 cita

**Title:** Five-dimensional axisymmetric spacetime solutions  
**Author(s):** Wei, YH (Wei, YH)  
**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 35 **Issue:** 12 **Pages:** 2711-2715 **DOI:** 10.1007/BF02085775 **Published:** DEC 1996  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0020-7748

- 2.1.a.10. Gonzalo Ares de Parga, Jose Luis Lopez Bonilla, Gerardo Ovando Zuñiga y **Tonatiuh Matos.** Physical Interpretation of the Weert Superpotential. Rev. Mex. Fís. 36, (1990), 194-202.
- 2.1.a.11. **Tonatiuh Matos.** Solitones en Gravedad 4-dimensional. Rev. Mex. Fís. 36, (1990), 340-353.
- 2.1.a.12. Dietrich Kramer, Gernot Neugebauer and **Tonatiuh Matos.** Bäcklund Transforms of Chiral Fields. J. Math. Phys. 32, (1991), 2727-2730.

4 citas

**Title:** Analytical approximation of the exterior gravitational field of rotating neutron stars  
**Author(s):** Teichmuller, C (Teichmueller, C.); Frob, MB (Froeb, M. B.); Maucher, F (Maucher, F.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 28 **Issue:** 15 **Article Number:** 155015 **DOI:** 10.1088/0264-9381/28/15/155015 **Published:** AUG 7 2011  
**Language:** English  
**Document Type:** Article  
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**eISSN:** 1361-6382

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**Title:** The Non-Autonomous Chiral Model and the Ernst Equation of General Relativity in the Bidifferential Calculus Framework

**Author(s):** Dimakis, A (Dimakis, Aristophanes); Kanning, N (Kanning, Nils); Muller-Hoissen, F (Mueller-Hoissen, Folkert)

**Source:** SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS **Volume:** 7 **Article**

**Number:** 118 **DOI:** 10.3842/SIGMA.2011.118 **Published:** 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1815-0659

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**Title:** Extended Ernst equation and five-dimensional axisymmetric Kaluza-Klein solutions

**Author(s):** Wei, YH (Wei, YH)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 18 **Issue:** 11 **Pages:** 2163-2170 **DOI:** 10.1088/0264-9381/18/11/312 **Published:** JUN 7 2001

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Isomonodromic quantization of dimensionally reduced gravity

**Author(s):** Korotkin, D (Korotkin, D); Nicolai, H (Nicolai, H)

**Source:** NUCLEAR PHYSICS B **Volume:** 475 **Issue:** 1-2 **Pages:** 397-439 **DOI:** 10.1016/0550-3213(96)00320-3 **Published:** SEP 9 1996

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- 2.1.a.13. **Tonatiuh Matos** y Ricardo Becerril. Ecuaciones Quirales y Haces Fibrados. Rev. Mex. Fís. 38, (1992), 69-80.

1 cita

**Title:** THE DIRAC-EQUATION IN 5-DIMENSIONAL WESSON GRAVITY

**Author(s):** MACIAS, A (MACIAS, A); MARTINEZ, GJFY (MARTINEZ, GJFY); OBREGON, O (OBREGON, O)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 25 **Issue:** 6 **Pages:** 549-560 **DOI:** 10.1007/BF00757066 **Published:** JUN 1993

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

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- 2.1.a.14. Ricardo Becerril and **Tonatiuh Matos**. A New Class of Stationary Solutions to the Five-dimensional Kaluza-Klein Equations. Gen. Rel. Grav. 24, (1992), 465-476.

1 cita

**Title:** Five-dimensional axisymmetric spacetime solutions

**Author(s):** Wei, YH (Wei, YH)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 35 **Issue:** 12 **Pages:** 2711-2715 **DOI:** 10.1007/BF02085775 **Published:** DEC 1996

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

2.1.a.15. **Tonatiuh Matos** and Guadalupe Rodríguez. Exact Solutions of N-dimensional Stationary Kaluza-Klein Field Equations. *Nuovo Cim.*, 107B, (1992), 519-526.

2.1.a.16. Ricardo Becerril and **Tonatiuh Matos**. Stationary Solutions in Five-dimensional Gravity with Magnetic Field. *Phys. Rev. D*46, (1992), 1540-1545.

5 citas

**Title:** Generating generalized GD-2 solutions

**Author(s):** Breton, N (Breton, N.); Feinstein, A (Feinstein, A.); Lopez, LA (Lopez, L. A.)

**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 12 **Article Number:** 124021 **DOI:** 10.1103/PhysRevD.77.124021 **Published:** JUN 2008

**Language:** English

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**ISSN:** 1550-7998

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**Title:** Rotating dyonic dipole black rings: exact solutions and thermodynamics

**Author(s):** Yazadjiev, SS (Yazadjiev, Stoytcho S.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 39 **Issue:** 5 **Pages:** 601-620 **DOI:** 10.1007/s10714-007-0406-6 **Published:** MAY 2007

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**Title:** Dilaton black holes with squashed horizons and their thermodynamics

**Author(s):** Yazadjiev, SS (Yazadjiev, Stoytcho S.)

**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 2 **Article Number:** 024022 **DOI:** 10.1103/PhysRevD.74.024022 **Published:** JUL 2006

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**Title:** Generalized Weyl solutions  
**Author(s):** Emparan, R (Emparan, R); Reall, HS (Reall, HS)  
**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 8 **Article Number:** 084025 **DOI:** 10.1103/PhysRevD.65.084025 **Part:** A **Published:** APR 15 2002  
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**Title:** Five-dimensional axisymmetric spacetime solutions  
**Author(s):** Wei, YH (Wei, YH)  
**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 35 **Issue:** 12 **Pages:** 2711-2715 **DOI:** 10.1007/BF02085775 **Published:** DEC 1996  
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**ISSN:** 0020-7748

2.1.a.17. **Tonatiuh Matos**, Guadalupe Rodríguez and Ricardo Becerril. Exact Solutions of  $SL(N,R)$  -invariant Chiral Fields. One-and Two - dimensional Subspaces. J. Math. Phys. 33, (1992), 3521-3535.

3 citas

**Title:** Holomorphic maps and Ernst equation  
**Author(s):** Park, DH (Park, DH)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 22 **Issue:** 12 **Pages:** 2319-2330 **DOI:** 10.1088/0264-9381/22/12/002 **Published:** JUN 21 2005  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381

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**Title:** Charging symmetries and linearizing potentials for heterotic string in three dimensions  
**Author(s):** Herrera-Aguilar, A (Herrera-Aguilar, A); Kechkin, OV (Kechkin, OV)  
**Source:** PHYSICAL REVIEW D **Volume:** 59 **Issue:** 12 **Article Number:** 124006 **DOI:** 10.1103/PhysRevD.59.124006 **Published:** JUN 15 1999  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Einstein's equations as functional geodesics  
**Author(s):** Nunez, D (Nunez, D); Quevedo, H (Quevedo, H); Sanchez, A (Sanchez, A)

**Source:** REVISTA MEXICANA DE FISICA **Volume:** 44 **Issue:** 5 **Pages:** 440-448 **Published:** OCT 1998  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-001X

2.1.a.18. Jerzy Plebnaski, Martín Muñoz and **Tonatiuh Matos**. Some Topological Questions on Metrics of D Type. Rev. Mex. Fís. 38, (1992), 1005-1025.

2 citas

**Title:** MAXIMAL EXTENSION OF SCHWARZSCHILD METRIC  
**Author(s):** KRUSKAL, MD (KRUSKAL, MD)  
**Source:** PHYSICAL REVIEW **Volume:** 119 **Issue:** 5 **Pages:** 1743-1745 **DOI:** 10.1103/PhysRev.119.1743 **Published:** 1960  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0031-899X

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**Title:** SOURCE OF KERR METRIC  
**Author(s):** ISRAEL, W (ISRAEL, W)  
**Source:** PHYSICAL REVIEW D **Volume:** 2 **Issue:** 4 **Pages:** 641-641 + **DOI:** 10.1103/PhysRevD.2.641 **Published:** 1970  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
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2.1.a.19. **Tonatiuh Matos** and Petra Wiederhold. SL (4,R)-invariant Chiral Fields. Lett. Math. Phys. 27, (1993), 265-272.

2.1.a.20. **Tonatiuh Matos** and Antonio Nieto. Topics on Kaluza-Klein Theories. Rev. Mex. Fís. 39, (1993), S81-S131.

7 citas

**Title:** Towards exterior/interior correspondence of black-holes  
**Author(s):** Aviles-Niebla, C (Aviles-Niebla, C.); Nieto-Marin, PA (Nieto-Marin, P. A.); Nieto, JA (Nieto, J. A.)  
**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 17 **Issue:** 12 **Article**  
**Number:** 2050180 **DOI:** 10.1142/S0219887820501807 **Published:** OCT 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0219-8878  
**eISSN:** 1793-6977

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**Title:** How sound are our ultralight axion approximations?



**Author(s):** Cookmeyer, J (Cookmeyer, Jonathan); Grin, D (Grin, Daniel); Smith, TL (Smith, Tristan L.)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 2 **Article Number:** 023501 **DOI:** 10.1103/PhysRevD.101.023501 **Published:** JAN 2 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Black hole hair from scalar dark matter

**Author(s):** Hui, L (Hui, Lam); Kabat, D (Kabat, Daniel); Li, XY (Li, Xinyu); Santoni, L (Santoni, Luca); Wong, SSC (Wong, Sam S. C.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 038 **DOI:** 10.1088/1475-7516/2019/06/038 **Published:** JUN 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Riemannian Submersions, Riemannian Maps in Hermitian Geometry, and Their Applications

**Author(s):** Sahin, B (Sahin, B.)

**Book Author(s):** Sahin, B (Sahin, B)

**Source:** RIEMANNIAN SUBMERSIONS, RIEMANNIAN MAPS IN HERMITIAN GEOMETRY, AND THEIR APPLICATIONS **Published:** 2017

**Language:** English

**Document Type:** Article; Book Chapter

**ISBN:** 978-0-12-804410-0; 978-0-12-804391-2

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**Title:** Hamiltonian dynamics: four dimensional BF-like theories with a compact dimension

**Author(s):** Escalante, A (Escalante, A.); Reyes, MZ (Zarate Reyes, M.)

**Source:** REVISTA MEXICANA DE FISICA **Volume:** 62 **Issue:** 1 **Pages:** 31-44 **Published:** JAN-FEB 2016

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**ISSN:** 0035-001X

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**Title:** Induced masses and spin self-interaction from five-dimensional Einstein-Cartan-Dirac theory

**Author(s):** Hernandez, E (Hernandez, E); Macias, A (Macias, A)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS A **Volume:** 13 **Issue:** 1 **Pages:** 169-182 **DOI:** 10.1142/S0217751X98000056 **Published:** JAN 10 1998

**Language:** English

**Document Type:** Article

**ISSN:** 0217-751X

**eISSN:** 1793-656X

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**Title:** SEGRE TYPES OF SYMMETRICAL 2-TENSORS IN N-DIMENSIONAL SPACETIMES

**Author(s):** SANTOS, J (SANTOS, J); REBOUCAS, MJ (REBOUCAS, MJ); TEIXEIRA, AFF (TEIXEIRA, AFF)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 27 **Issue:** 9 **Pages:** 989-999 **DOI:** 10.1007/BF02113081 **Published:** SEP 1995

**Language:** English

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2.1.a.21. **Tonatiuh Matos.** 5D Axisymmetric Stationary Solutions as Harmonic Maps. J. Math. Phys. 35, (1994), 1302-1321. Available at: [gr-qc/9401009](http://gr-qc/9401009)

18 citas

**Title:** Nutty Kaluza-Klein dyons revisited

**Author(s):** Bogush, I (Bogush, Igor); Clement, G (Clement, Gerard); Gal'tsov, D (Gal'tsov, Dmitri); Torbunov, D (Torbunov, Dmitrii)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 6 **Article Number:** 064045 **DOI:** 10.1103/PhysRevD.103.064045 **Published:** MAR 22 2021

**Language:** English

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**Title:** Time-dependent scalar fields as candidates for dark matter

**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016

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**Title:** Generating generalized GD-2 solutions

**Author(s):** Breton, N (Breton, N.); Feinstein, A (Feinstein, A.); Lopez, LA (Lopez, L. A.)

**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 12 **Article Number:** 124021 **DOI:** 10.1103/PhysRevD.77.124021 **Published:** JUN 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

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**Title:** Stationary axisymmetric solutions of five-dimensional gravity

**Author(s):** Giusto, S (Giusto, Stefano); Saxena, A (Saxena, Ashish)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 24 **Issue:** 17 **Pages:** 4269-4294 **DOI:** 10.1088/0264-9381/24/17/002 **Published:** SEP 7 2007

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**ISSN:** 0264-9381

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**Title:** Rotating dyonic dipole black rings: exact solutions and thermodynamics

**Author(s):** Yazadjiev, SS (Yazadjiev, Stoytcho S.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 39 **Issue:** 5 **Pages:** 601-620 **DOI:** 10.1007/s10714-007-0406-6 **Published:** MAY 2007

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**Title:** Dilaton black holes with squashed horizons and their thermodynamics

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**Title:** Holomorphic maps and Ernst equation

**Author(s):** Park, DH (Park, DH)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 22 **Issue:** 12 **Pages:** 2319-2330 **DOI:** 10.1088/0264-9381/22/12/002 **Published:** JUN 21 2005

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**Title:** Distorted dilaton black holes

**Author(s):** Park, DH (Park, DH)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 46 **Issue:** 6 **Pages:** 1299-1304 **Published:** JUN 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0374-4884

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**Title:** The axisymmetric problem with electrostatic fields and some spherically symmetric black holes in EMD theory

**Author(s):** Wei, YH (Wei, YH)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 4 **Pages:** 831-838 **Article Number:** PII S0264-9381(04)70819-9 **DOI:** 10.1088/0264-9381/21/4/006 **Published:** FEB 21 2004

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**ISSN:** 0264-9381

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**Title:** Stationary systems and harmonic potentials  
**Author(s):** Park, DH (Park, DH)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 4 **Pages:** 987-1000 **Article Number:** PII S0264-9381(04)70364-0 **DOI:** 10.1088/0264-9381/21/4/018 **Published:** FEB 21 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381

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**Title:** Static axisymmetric solutions with electric fields in low-energy string theory  
**Author(s):** Wei, YH (Wei, YH); Zhang, YZ (Zhang, YZ); He, F (He, F)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 24 **Pages:** 6469-6476 **Article Number:** PII S0264-9381(02)37294-0 **DOI:** 10.1088/0264-9381/19/24/313 **Published:** DEC 21 2002  
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**Title:** Oscillatons revisited  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 10 **Pages:** 2617-2632 **Article Number:** PII S0264-9381(02)29879-2 **DOI:** 10.1088/0264-9381/19/10/307 **Published:** MAY 21 2002  
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**Title:** Generalized Weyl solutions  
**Author(s):** Empanan, R (Empanan, R); Reall, HS (Reall, HS)  
**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 8 **Article Number:** 084025 **DOI:** 10.1103/PhysRevD.65.084025 **Part:** A **Published:** APR 15 2002  
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**Title:** New class of five-dimensional axisymmetric spacetime solutions with arbitrary signature  
**Author(s):** Wei, YH (Wei, YH); Wang, YC (Wang, YC)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 18 **Issue:** 21 **Pages:** 4701-4709 **DOI:** 10.1088/0264-9381/18/21/317 **Published:** NOV 7 2001

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**Title:** Einstein's equations as functional geodesics  
**Author(s):** Nunez, D (Nunez, D); Quevedo, H (Quevedo, H); Sanchez, A (Sanchez, A)  
**Source:** REVISTA MEXICANA DE FISICA **Volume:** 44 **Issue:** 5 **Pages:** 440-448 **Published:** OCT 1998  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-001X

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**Title:** Multipole-like solutions in metric-affine gravity  
**Author(s):** Socorro, J (Socorro, J); Lammerzahl, C (Lammerzahl, C); Macias, A (Macias, A); Mielke, EW (Mielke, EW)  
**Source:** PHYSICS LETTERS A **Volume:** 244 **Issue:** 5 **Pages:** 317-323 **DOI:** 10.1016/S0375-9601(98)00360-0 **Published:** JUL 27 1998  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0375-9601

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**Title:** Five-dimensional axisymmetric spacetime solutions  
**Author(s):** Wei, YH (Wei, YH)  
**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 35 **Issue:** 12 **Pages:** 2711-2715 **DOI:** 10.1007/BF02085775 **Published:** DEC 1996  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0020-7748

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**Title:** THE ROTATING DYONIC BLACK-HOLES OF KALUZA-KLEIN THEORY  
**Author(s):** RASHEED, D (RASHEED, D)  
**Source:** NUCLEAR PHYSICS B **Volume:** 454 **Issue:** 1-2 **Pages:** 379-401 **DOI:** 10.1016/0550-3213(95)00396-A **Published:** NOV 6 1995  
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**Author(s):** Yazadjiev, SS (Yazadjiev, Stoytcho S.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 39 **Issue:** 5 **Pages:** 601-620 **DOI:** 10.1007/s10714-007-0406-6 **Published:** MAY 2007

**Language:** English

**Document Type:** Article

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**Title:** Dilaton black holes with squashed horizons and their thermodynamics

**Author(s):** Yazadjiev, SS (Yazadjiev, Stoytcho S.)

**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 2 **Article**

**Number:** 024022 **DOI:** 10.1103/PhysRevD.74.024022 **Published:** JUL 2006

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

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**Title:** Remarks on a five-dimensional Kaluza-Klein theory of the massive Dirac monopole

**Author(s):** Cotaescu, Il (Cotaescu, Il)

**Source:** PHYSICAL REVIEW D **Volume:** 72 **Issue:** 4 **Article**

**Number:** 044007 **DOI:** 10.1103/PhysRevD.72.044007 **Published:** AUG 2005

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** The axisymmetric problem with electrostatic fields and some spherically symmetric black holes in EMD theory

**Author(s):** Wei, YH (Wei, YH)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 4 **Pages:** 831-838 **Article Number:** PII S0264-9381(04)70819-9 **DOI:** 10.1088/0264-9381/21/4/006 **Published:** FEB 21 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Einstein's equations as functional geodesics

**Author(s):** Nunez, D (Nunez, D); Quevedo, H (Quevedo, H); Sanchez, A (Sanchez, A)

**Source:** REVISTA MEXICANA DE FISICA **Volume:** 44 **Issue:** 5 **Pages:** 440-448 **Published:** OCT 1998

**Language:** English

**Document Type:** Article

**ISSN:** 0035-001X

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**Title:** Five-dimensional axisymmetric spacetime solutions

**Author(s):** Wei, YH (Wei, YH)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 35 **Issue:** 12 **Pages:** 2711-2715 **DOI:** 10.1007/BF02085775 **Published:** DEC 1996

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**ISSN:** 0020-7748

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**Title:** Extreme black hole with an electric dipole moment

**Author(s):** Horowitz, GT (Horowitz, GT); Tada, T (Tada, T)

**Source:** PHYSICAL REVIEW D **Volume:** 54 **Issue:** 2 **Pages:** 1564-1567 **DOI:** 10.1103/PhysRevD.54.1564 **Published:** JUL 15 1996

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**Author(s):** Park, DH (Park, DH)

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**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Fluid sources for the Kerr metric

**Author(s):** Ali, RM (Ali, RM)

**Source:** NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-BASIC TOPICS IN PHYSICS **Volume:** 119 **Issue:** 2 **Pages:** 123-129 **DOI:** 10.1393/ncb/i2003-10088-1 **Published:** FEB 2004

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**Author(s):** Gwak, B (Gwak, Bogeun); Lee, BH (Lee, Bum-Hoon); Lee, W (Lee, Wonwoo); Kim, HC (Kim, Hyeong-Chan)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 43 **Issue:** 8 **Pages:** 2277-2296 **DOI:** 10.1007/s10714-011-1183-9 **Published:** AUG 2011

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**Author(s):** Scipioni, R (Scipioni, R)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 16 **Issue:** 7 **Pages:** 2471-2478 **DOI:** 10.1088/0264-9381/16/7/320 **Published:** JUL 1999

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**Author(s):** Butler, M (Butler, M.); Ghezelbash, AM (Ghezelbash, A. M.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

A **Volume:** 34 **Issue:** 12 **Article**

**Number:** 1950061 **DOI:** 10.1142/S0217751X19500611 **Published:** APR 30 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0217-751X

**eISSN:** 1793-656X

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**Title:** Nonrelativistic isothermal fluid in the presence of a chameleon scalar field: Static and collapsing configurations

**Author(s):** Folomeev, V (Folomeev, Vladimir)

**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 2 **Article**

**Number:** 024008 **DOI:** 10.1103/PhysRevD.85.024008 **Published:** JAN 9 2012

**Language:** English

**Document Type:** Article



**ISSN:** 1550-7998  
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**Title:** New exact solutions of the Einstein vacuum equations for rotating axially symmetric fields

**Author(s):** Ali, AT (Ali, Ahmad T.)

**Source:** PHYSICA SCRIPTA **Volume:** 79 **Issue:** 3 **Article**

**Number:** 035006 **DOI:** 10.1088/0031-8949/79/03/035006 **Published:** MAR 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0031-8949

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**Title:** An axially symmetric scalar field and teleparallelism

**Author(s):** Korunur, M (Korunur, M.); Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 50 **Issue:** 1 **Pages:** 101-107 **DOI:** 10.1140/epjc/s10052-006-0195-1 **Published:** MAR 2007

**Language:** English

**Document Type:** Article

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**eISSN:** 1434-6052

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**Title:** The axisymmetric problem with electrostatic fields and some spherically symmetric black holes in EMD theory

**Author(s):** Wei, YH (Wei, YH)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 4 **Pages:** 831-838 **Article Number:** PII S0264-9381(04)70819-9 **DOI:** 10.1088/0264-9381/21/4/006 **Published:** FEB 21 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Static axisymmetric solutions with electric fields in low-energy string theory

**Author(s):** Wei, YH (Wei, YH); Zhang, YZ (Zhang, YZ); He, F (He, F)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 24 **Pages:** 6469-6476 **Article Number:** PII S0264-9381(02)37294-0 **DOI:** 10.1088/0264-9381/19/24/313 **Published:** DEC 21 2002

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**Author(s):** Gurovich, VT (Gurovich, VT); Folomeev, VN (Folomeev, VN)

**Source:** JETP LETTERS **Volume:** 76 **Issue:** 10 **Pages:** 604-606 **DOI:** 10.1134/1.1541044 **Published:** 2002

**Language:** English

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**Title:** Coloured black holes in higher curvature string gravity  
**Author(s):** Kanti, P (Kanti, P); Tamvakis, K (Tamvakis, K)  
**Source:** PHYSICS LETTERS B **Volume:** 392 **Issue:** 1-2 **Pages:** 30-38 **DOI:** 10.1016/S0370-2693(96)01521-3 **Published:** JAN 23 1997  
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**Author(s):** Koikawa, T (Koikawa, T)  
**Source:** PHYSICS LETTERS A **Volume:** 256 **Issue:** 4 **Pages:** 284-290 **DOI:** 10.1016/S0375-9601(99)00259-5 **Published:** JUN 7 1999  
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**Author(s):** Balakin, AB (Balakin, Alexander B.); Galimova, AA (Galimova, Aliya A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 4 **Article Number:** 044059 **DOI:** 10.1103/PhysRevD.104.044059 **Published:** AUG 24 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Nonsingular colliding wave solutions in Einstein-Maxwell-dilaton-axion theory

**Author(s):** Halilsoy, E (Halilsoy, E); Halilsoy, M (Halilsoy, M)

**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 12 **Article**

**Number:** 124021 **DOI:** 10.1103/PhysRevD.69.124021 **Published:** JUN 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Duality, monodromy, and integrability of two dimensional string effective action

**Author(s):** Das, A (Das, A); Maharana, J (Maharana, J); Melikyan, A (Melikyan, A)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 12 **Article**

**Number:** 126001 **DOI:** 10.1103/PhysRevD.65.126001 **Published:** JUN 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

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**Title:** Plane light-like shells and impulsive gravitational waves in scalar-tensor theories of gravity

**Author(s):** Bressange, GF (Bressange, GF)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 15 **Issue:** 1 **Pages:** 225-238 **DOI:** 10.1088/0264-9381/15/1/017 **Published:** JAN 1998

**Language:** English

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**Title:** Perturbations of Einstein-Maxwell-dilaton fields

**Author(s):** Cartas-Fuentevilla, R (Cartas-Fuentevilla, R)

**Source:** PHYSICAL REVIEW D **Volume:** 56 **Issue:** 12 **Pages:** 7700-7707 **DOI:** 10.1103/PhysRevD.56.7700 **Published:** DEC 15 1997

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Colliding axion-dilaton plane waves from black holes

**Author(s):** Schwarz, P (Schwarz, P)

**Source:** PHYSICAL REVIEW D **Volume:** 56 **Issue:** 12 **Pages:** 7833-7845 **DOI:** 10.1103/PhysRevD.56.7833 **Published:** DEC 15 1997

**Language:** English

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**ISSN:** 0556-2821

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**Title:** Singular hypersurfaces in scalar-tensor theories of gravity

**Author(s):** Barrabes, C (Barrabes, C); Bressange, GF (Bressange, GF)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 14 **Issue:** 3 **Pages:** 805-824 **DOI:** 10.1088/0264-9381/14/3/021 **Published:** MAR 1997

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**Author(s):** Hashemi, SS (Hashemi, S. Sedigheh); Riazi, N (Riazi, Nematollah)

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**Language:** English

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**Title:** Generating generalized GD-2 solutions

**Author(s):** Breton, N (Breton, N.); Feinstein, A (Feinstein, A.); Lopez, LA (Lopez, L. A.)

**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 12 **Article Number:** 124021 **DOI:** 10.1103/PhysRevD.77.124021 **Published:** JUN 2008

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**Title:** Generalized Weyl solutions

**Author(s):** Empanan, R (Empanan, R); Reall, HS (Reall, HS)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 8 **Article Number:** 084025 **DOI:** 10.1103/PhysRevD.65.084025 **Part:** A **Published:** APR 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

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**Title:** On the relation of the gravitino mass and the gut parameters

**Author(s):** Tkach, VI (Tkach, VI); Rosales, JJ (Rosales, JJ); Torres, J (Torres, J)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 14 **Issue:** 3 **Pages:** 169-176 **DOI:** 10.1142/S0217732399000201 **Published:** JAN 30 1999

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**Author(s):** Cremonini, S (Cremonini, Sera); Jones, CRT (Jones, Callum R. T.); Liu, JT (Liu, James T.); McPeak, B (McPeak, Brian); Tang, YZ (Tang, Yuezhang)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article**

**Number:** 106011 **DOI:** 10.1103/PhysRevD.103.106011 **Published:** MAY 11 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

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**Title:** X-ray reflection spectroscopy with Kaluza-Klein black holes

**Author(s):** Zhu, JC (Zhu, Jiachen); Abdikamalov, AB (Abdikamalov, Askar B.); Ayzenberg, D (Ayzenberg, Dimitry); Azreg-Ainou, M (Azreg-Ainou, Mustapha); Bambi, C (Bambi, Cosimo); Jamil, M (Jamil, Mubasher); Nampalliwar, S (Nampalliwar, Sourabh); Tripathi, A (Tripathi, Ashutosh); Zhou, ML (Zhou, Menglei)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 7 **Article**

**Number:** 622 **DOI:** 10.1140/epjc/s10052-020-8198-x **Published:** JUL 14 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

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**Title:** Isolated black holes without  $Z(2)$  isometry

**Author(s):** Cunha, PVP (Cunha, Pedro V. P.); Herdeiro, CAR (Herdeiro, Carlos A. R.); Radu, E (Radu, Eugen)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 10 **Article**

**Number:** 104060 **DOI:** 10.1103/PhysRevD.98.104060 **Published:** NOV 30 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

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**Title:** New gravitational solutions via a Riemann-Hilbert approach

**Author(s):** Cardoso, GL (Cardoso, G. L.); Serra, JC (Serra, J. C.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article**

**Number:** 080 **DOI:** 10.1007/JHEP03(2018)080 **Published:** MAR 13 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Dynamical black holes in low-energy string theory  
**Author(s):** Anicento, P (Anicento, Pedro); Rocha, JV (Rocha, Jorge V.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 5 **Article**  
**Number:** 035 **DOI:** 10.1007/JHEP05(2017)035 **Published:** MAY 8 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Thermodynamics of rotating Kaluza-Klein black holes in gravity's rainbow  
**Author(s):** Alsaleh, S (Alsaleh, Salwa)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 4 **Article**  
**Number:** 181 **DOI:** 10.1140/epjp/i2017-11501-2 **Published:** APR 25 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Black holes in N=8 supergravity from SO(4,4) hidden symmetries  
**Author(s):** Chow, DDK (Chow, David D. K.); Compere, G (Compere, Geoffrey)  
**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 2 **Article**  
**Number:** 025029 **DOI:** 10.1103/PhysRevD.90.025029 **Published:** JUL 23 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
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**Title:** A Kaluza-Klein subtractor  
**Author(s):** Jana, S (Jana, Sanlib); Krishnan, C (Krishnan, Chethan)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 29 **Issue:** 16 **Article**  
**Number:** 1450079 **DOI:** 10.1142/S0217732314500795 **Published:** MAY 30 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
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**Title:** Seed for general rotating non-extremal black holes of N=8 supergravity  
**Author(s):** Chow, DDK (Chow, David D. K.); Compere, G (Compere, Geoffrey)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 2 **Article**  
**Number:** 022001 **DOI:** 10.1088/0264-9381/31/2/022001 **Published:** JAN 21 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
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**Title:** Duality covariant non-BPS first order systems  
**Author(s):** Bossard, G (Bossard, Guillaume); Katmadas, S (Katmadas, Stefanos)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 9 **Article Number:** 100 **DOI:** 10.1007/JHEP09(2012)100 **Published:** SEP 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Imaginary soaring branes: a hidden feature of non-extremal solutions  
**Author(s):** Bena, I (Bena, Iosif); Ruef, C (Ruef, Clement); Warner, NP (Warner, Nicholas P.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 5 **Article Number:** 143 **DOI:** 10.1007/JHEP05(2012)143 **Published:** MAY 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** General black holes in Kaluza-Klein theory  
**Author(s):** Horowitz, GT (Horowitz, Gary T.); Wiseman, T (Wiseman, Toby)  
**Edited by:** Horowitz GT  
**Source:** BLACK HOLES IN HIGHER DIMENSIONS **Pages:** 69-97 **Published:** 2012  
**Language:** English  
**Document Type:** Article; Book Chapter  
**ISBN:** 978-1-107-01345-2  
**Book DOI:** 10.1017/CBO9781139004176

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**Title:** EVH black holes, AdS(3) throats and EVH/CFT proposal  
**Author(s):** Sheikh-Jabbari, MM (Sheikh-Jabbari, M. M.); Yavartanoo, H (Yavartanoo, Hossein)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 10 **Article Number:** 013 **DOI:** 10.1007/JHEP10(2011)013 **Published:** OCT 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Black holes on gravitational instantons  
**Author(s):** Chen, Y (Chen, Yu); Teo, E (Teo, Edward)  
**Source:** NUCLEAR PHYSICS B **Volume:** 850 **Issue:** 2 **Pages:** 253-272 **DOI:** 10.1016/j.nuclphysb.2011.04.019 **Published:** SEP 11 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0550-3213  
**eISSN:** 1873-1562

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**Title:** First-order flows and stabilisation equations for non-BPS extremal black holes  
**Author(s):** Galli, P (Galli, Pietro); Goldstein, K (Goldstein, Kevin); Katmadas, S (Katmadas, Stefanos); Perz, J (Perz, Jan)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 6 **Article Number:** 070 **DOI:** 10.1007/JHEP06(2011)070 **Published:** JUN 2011

**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Supergravity solutions from floating branes  
**Author(s):** Bena, I (Bena, Iosif); Giusto, S (Giusto, Stefano); Ruef, C (Ruef, Clement); Warner, NP (Warner, Nicholas P.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article**  
**Number:** 047 **DOI:** 10.1007/JHEP03(2010)047 **Published:** MAR 2010  
**Language:** English  
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**Title:** Charged rotating Kaluza-Klein black holes in dilaton gravity  
**Author(s):** Allahverdizadeh, M (Allahverdizadeh, Masoud); Matsuno, K (Matsuno, Ken); Sheykhi, A (Sheykhi, Ahmad)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 4 **Article**  
**Number:** 044001 **DOI:** 10.1103/PhysRevD.81.044001 **Published:** FEB 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
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**Title:** Non-BPS black rings and black holes in Taub-NUT  
**Author(s):** Bena, I (Bena, Iosif); Dall'Agata, G (Dall'Agata, Gianguido); Giusto, S (Giusto, Stefano); Ruef, C (Ruef, Clement); Warner, NP (Warner, Nicholas P.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 6 **Article**  
**Number:** 015 **DOI:** 10.1088/1126-6708/2009/06/015 **Published:** JUN 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** The Kerr/CFT correspondence and string theory  
**Author(s):** Azeyanagi, T (Azeyanagi, Tatsuo); Ogawa, N (Ogawa, Noriaki); Terashima, S (Terashima, Seiji)  
**Source:** PHYSICAL REVIEW D **Volume:** 79 **Issue:** 10 **Article**  
**Number:** 106009 **DOI:** 10.1103/PhysRevD.79.106009 **Published:** MAY 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Holographic duals of Kaluza-Klein black holes  
**Author(s):** Azeyanagi, T (Azeyanagi, Tatsuo); Ogawa, N (Ogawa, Noriaki); Terashima, S (Terashima, Seiji)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 4 **Article**  
**Number:** 061 **DOI:** 10.1088/1126-6708/2009/04/061 **Published:** APR 2009



**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Black hole entropy function, attractors and precision counting of microstates  
**Author(s):** Sen, A (Sen, Ashoke)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 40 **Issue:** 11 **Pages:** 2249-2431 **DOI:** 10.1007/s10714-008-0626-4 **Published:** NOV 2008  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Higher derivative correction to Kaluza-Klein black hole solution  
**Author(s):** Yavartanoo, H (Yavartanoo, H.); Yun, S (Yun, S.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 57 **Issue:** 4 **Pages:** 797-808 **DOI:** 10.1140/epjc/s10052-008-0706-3 **Published:** OCT 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Rotating attractors  
**Author(s):** Astefanesei, D (Astefanesei, Dumitru); Goldstein, K (Goldstein, Kevin); Jena, RP (Jena, Rudra P.); Sen, A (Sen, Ashoke); Trivedi, SP (Trivedi, Sandip P.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 10 **Article Number:** 058 **DOI:** 10.1088/1126-6708/2006/10/058 **Published:** OCT 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Rotating Kaluza-Klein black holes  
**Author(s):** Larsen, F (Larsen, F)  
**Source:** NUCLEAR PHYSICS B **Volume:** 575 **Issue:** 1-2 **Pages:** 211-230 **DOI:** 10.1016/S0550-3213(00)00064-X **Published:** MAY 29 2000  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0550-3213

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**Title:** The radiation era in scalar-tensor cosmology  
**Author(s):** Klippert, R (Klippert, R); De Lorenci, VA (De Lorenci, VA); Novello, M (Novello, M); Salim, JM (Salim, JM)  
**Source:** PHYSICS LETTERS B **Volume:** 472 **Issue:** 1-2 **Pages:** 27-32 **DOI:** 10.1016/S0370-2693(99)01403-3 **Published:** JAN 13 2000  
**Language:** English  
**Document Type:** Article

ISSN: 0370-2693

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**Title:** Photoproduction of dilatons in an external magnetic field

**Author(s):** Van Soa, D (Van Soa, D); Long, HN (Long, HN)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 15 **Issue:** 1 **Pages:** 23-28 **DOI:** 10.1142/S0217732300000050 **Published:** JAN 10 2000

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

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**Title:** Dilaton electromagnetic Bianchi-I cosmologies

**Author(s):** Salim, JM (Salim, JM); Sautu, SL (Sautu, SL); Martins, R (Martins, R)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 15 **Issue:** 6 **Pages:** 1521-1526 **DOI:** 10.1088/0264-9381/15/6/008 **Published:** JUN 1998

**Language:** English

**Document Type:** Article

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**Title:** Light charged fermions in quantum gravity

**Author(s):** de Brito, GP (de Brito, Gustavo P.); Eichhorn, A (Eichhorn, Astrid); Schiffer, M (Schiffer, Marc)

**Source:** PHYSICS LETTERS B **Volume:** 815 **Article Number:** 136128 **DOI:** 10.1016/j.physletb.2021.136128 **Published:** APR 10 2021

**Language:** English

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**Title:** Solitonic metrics and harmonic maps

**Author(s):** Dragomir, S (Dragomir, Sorin); Yang, GL (Yang, Guilin)

**Source:** ANALYSIS AND MATHEMATICAL PHYSICS **Volume:** 9 **Issue:** 4 **Pages:** 1547-1581 **DOI:** 10.1007/s13324-018-0269-x **Published:** DEC 2019

**Language:** English

**Document Type:** Article

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**Title:** Integrability and vesture for harmonic maps into symmetric spaces

**Author(s):** Beheshti, S (Beheshti, Shabnam); Tahvildar-Zadeh, S (Tahvildar-Zadeh, Shadi)

**Source:** REVIEWS IN MATHEMATICAL PHYSICS **Volume:** 28 **Issue:** 3 **Article Number:** 1650006 **DOI:** 10.1142/S0129055X16500069 **Published:** APR 2016

**Language:** English

**Document Type:** Review

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**Author(s):** Lopez, MC (Lopez, MC); Ratiu, TS (Ratiu, TS)

**Source:** COMMUNICATIONS IN MATHEMATICAL PHYSICS **Volume:** 236 **Issue:** 2 **Pages:** 223-250 **DOI:** 10.1007/s00220-003-0797-5 **Published:** MAY 2003

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**Title:** Ultra-light dark matter  
**Author(s):** Ferreira, EGM (Ferreira, Elisa G. M.)  
**Source:** ASTRONOMY AND ASTROPHYSICS REVIEW **Volume:** 29 **Issue:** 1 **Article Number:** 7 **DOI:** 10.1007/s00159-021-00135-6 **Published:** DEC 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0935-4956  
**eISSN:** 1432-0754

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**Title:** Cosmological Parameter Inference with Bayesian Statistics  
**Author(s):** Padilla, LE (Padilla, Luis E.); Tellez, LO (Tellez, Luis O.); Escamilla, LA (Escamilla, Luis A.); Vazquez, JA (Alberto Vazquez, Jose)  
**Source:** UNIVERSE **Volume:** 7 **Issue:** 7 **Article Number:** 213 **DOI:** 10.3390/universe7070213 **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2218-1997

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Modeling dark matter halos with nonlinear field theories  
**Author(s):** Correa, RAC (Correa, R. A. C.); Moraes, PHRS (Moraes, P. H. R. S.); Dutra, AD (Dutra, A. de Souza); Dors, OL (Dors, O. L.); de Paulai, W (de Paulai, W.); Frederico, T (Frederico, T.)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article Number:** 103519 **DOI:** 10.1103/PhysRevD.103.103519 **Published:** MAY 14 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Wave Dark Matter  
**Author(s):** Hui, L (Hui, Lam)  
**Edited by:** VanDishoeck EF; Kennicutt RC  
**Source:** ANNUAL REVIEW OF ASTRONOMY AND ASTROPHYSICS, VOL 59 **Book Series:** Annual Review of Astronomy and Astrophysics **Volume:** 59 **Pages:** 247-289 **DOI:** 10.1146/annurev-astro-120920-010024 **Published:** 2021  
**Language:** English  
**Document Type:** Review; Book Chapter

**ISSN:** 0066-4146  
**eISSN:** 1545-4282  
**ISBN:** 978-0-8243-0959-6

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**  
**Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Is a Bose-Einstein condensate a good candidate for dark matter? A test with galaxy rotation curves  
**Author(s):** Castellanos, E (Castellanos, Elias); Escamilla-Rivera, C (Escamilla-Rivera, Celia); Mastache, J (Mastache, Jorge)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 29 **Issue:** 9 **Article**  
**Number:** 2050063 **DOI:** 10.1142/S0218271820500637 **Published:** JUL 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article**  
**Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Radial acceleration relation from ultra-light scalar dark matter  
**Author(s):** Lee, JW (Lee, Jae-Weon); Kim, HC (Kim, Hyeong-Chan); Lee, J (Lee, Jungjai)  
**Source:** PHYSICS LETTERS B **Volume:** 795 **Pages:** 206-  
210 **DOI:** 10.1016/j.physletb.2019.06.008 **Published:** AUG 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2212-6864

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity  
**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Phase transitions between dilute and dense axion stars  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
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**Title:** Bose-Einstein condensates in charged black-hole spacetimes  
**Author(s):** Castellanos, E (Castellanos, Elias); Degollado, JC (Carlos Degollado, Juan); Lammerzahn, C (Laemmerzahn, Claus); Macias, A (Macias, Alfredo); Perlick, V (Perlick, Volker)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 043 **DOI:** 10.1088/1475-7516/2018/01/043 **Published:** JAN 2018  
**Language:** English  
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**Title:** First Constraints on Fuzzy Dark Matter from Lyman-alpha Forest Data and Hydrodynamical Simulations

**Author(s):** Irsic, V (Irsic, Vid); Viel, M (Viel, Matteo); Haehnelt, MG (Haehnelt, Martin G.); Bolton, JS (Bolton, James S.); Becker, GD (Becker, George D.)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 119 **Issue:** 3 **Article Number:** 031302 **DOI:** 10.1103/PhysRevLett.119.031302 **Published:** JUL 20 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Scalar field as a Bose-Einstein condensate in a Schwarzschild-de Sitter spacetime

**Author(s):** Castellanos, E (Castellanos, Elias); Escamilla-Rivera, C (Escamilla-Rivera, Celia); Lammerzahl, C (Laemmerzahl, Claus); Macias, A (Macias, Alfredo)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 26 **Issue:** 4 **Article Number:** 1750032 **DOI:** 10.1142/S0218271817500328 **Published:** APR 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Ultra-light dark matter in ultra-faint dwarf galaxies

**Author(s):** Calabrese, E (Calabrese, Erminia); Spergel, DN (Spergel, David N.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 460 **Issue:** 4 **Pages:** 4397-4402 **DOI:** 10.1093/mnras/stw1256 **Published:** AUG 21 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

eISSN: 1365-2966

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

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**Title:** Bianchi VI (h) with variable gravitational and cosmological constants

**Author(s):** Belinchon, JA (Belinchon, J. A.)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 349 **Issue:** 1 **Pages:** 501-527 **DOI:** 10.1007/s10509-013-1622-z **Published:** JAN 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0004-640X

**eISSN:** 1572-946X

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**Title:** Ruling out bosonic repulsive dark matter in thermal equilibrium

**Author(s):** Slepian, Z (Slepian, Zachary); Goodman, J (Goodman, Jeremy)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 427 **Issue:** 1 **Pages:** 839-849 **DOI:** 10.1111/j.1365-2966.2012.21901.x **Published:** NOV 2012

**Language:** English



**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Bose-Einstein condensate general relativistic stars  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Harko, T (Harko, Tiberiu)  
**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 6 **Article**  
**Number:** 064011 **DOI:** 10.1103/PhysRevD.86.064011 **Published:** SEP 5 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Bianchi I in scalar and scalar-tensor cosmologies  
**Author(s):** Belinchon, JA (Belinchon, Jose A.)  
**Source:** CENTRAL EUROPEAN JOURNAL OF  
PHYSICS **Volume:** 10 **Issue:** 4 **Pages:** 789-798 **DOI:** 10.2478/s11534-012-0087-  
y **Published:** AUG 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1895-1082  
**eISSN:** 1644-3608

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**Title:** Growth of perturbations in an expanding universe with Bose-Einstein condensate  
dark matter  
**Author(s):** Chavanis, PH (Chavanis, P. H.)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 537 **Article**  
**Number:** A127 **DOI:** 10.1051/0004-6361/201116905 **Published:** JAN 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-6361  
**eISSN:** 1432-0746

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with  
short-range interactions. I. Analytical results  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article**  
**Number:** 043531 **DOI:** 10.1103/PhysRevD.84.043531 **Published:** AUG 29 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Degeneracy in exotic gravitational lensing  
**Author(s):** Safonova, M (Safonova, M); Torres, DF (Torres, DF)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 17 **Issue:** 26 **Pages:** 1685-  
1692 **DOI:** 10.1142/S0217732302008083 **Published:** AUG 30 2002

**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323

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**Title:** Solution generating in scalar-tensor theories with a massless scalar field and stiff perfect fluid as a source

**Author(s):** Yazadjiev, SS (Yazadjiev, SS)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 8 **Article Number:** 084023 **DOI:** 10.1103/PhysRevD.65.084023 **Part:** A **Published:** APR 15 2002

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
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**Title:** Multi-fluid cosmology in Einstein gravity: analytical solutions

**Author(s):** Faraoni, V (Faraoni, Valerio); Jose, S (Jose, Sonia); Dussault, S (Dussault, Steve)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 53 **Issue:** 12 **Article Number:** 109 **DOI:** 10.1007/s10714-021-02879-z **Published:** DEC 2021

**Language:** English  
**Document Type:** Review  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Ultra-light dark matter

**Author(s):** Ferreira, EGM (Ferreira, Elisa G. M.)

**Source:** ASTRONOMY AND ASTROPHYSICS REVIEW **Volume:** 29 **Issue:** 1 **Article Number:** 7 **DOI:** 10.1007/s00159-021-00135-6 **Published:** DEC 2021

**Language:** English  
**Document Type:** Review  
**ISSN:** 0935-4956  
**eISSN:** 1432-0754

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**Title:** Cosmological constraints on scalar field dark matter

**Author(s):** Escobal, AA (Escobal, A. A.); Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 30 **Issue:** 15 **Article**  
**Number:** 2150108 **DOI:** 10.1142/S021827182150108X **Published:** NOV 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Long-wavelength nonlinear perturbations of a complex scalar field  
**Author(s):** Padilla, LE (Padilla, Luis E.); Hidalgo, JC (Carlos Hidalgo, Juan); Nunez, D (Nunez, Dario)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article**  
**Number:** 083513 **DOI:** 10.1103/PhysRevD.104.083513 **Published:** OCT 5 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Complex Scalar Field Reheating and Primordial Black Hole production  
**Author(s):** Carrion, K (Carrion, Karim); Hidalgo, JC (Carlos Hidalgo, Juan); Montiel, A (Montiel, Ariadna); Padilla, LE (Padilla, Luis E.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE  
PHYSICS **Issue:** 7 **Article Number:** 001 **DOI:** 10.1088/1475-  
7516/2021/07/001 **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Cosmological Parameter Inference with Bayesian Statistics  
**Author(s):** Padilla, LE (Padilla, Luis E.); Tellez, LO (Tellez, Luis O.); Escamilla, LA (Escamilla, Luis A.); Vazquez, JA (Alberto Vazquez, Jose)  
**Source:** UNIVERSE **Volume:** 7 **Issue:** 7 **Article**  
**Number:** 213 **DOI:** 10.3390/universe7070213 **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2218-1997

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**Title:** On the Random Motion of Nuclear Objects in a Fuzzy Dark Matter Halo  
**Author(s):** Chowdhury, DD (Dutta Chowdhury, Dhruba); van den Bosch, FC (van den Bosch, Frank C.); Robles, VH (Robles, Victor H.); van Dokkum, P (van Dokkum, Pieter); Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 916 **Issue:** 1 **Article**  
**Number:** 27 **DOI:** 10.3847/1538-4357/ac043f **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X

eISSN: 1538-4357

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**Title:** Dark matter and the early Universe: A review

**Author(s):** Arbey, A (Arbey, A.); Mahmoudi, F (Mahmoudi, F.)

**Source:** PROGRESS IN PARTICLE AND NUCLEAR PHYSICS **Volume:** 119 **Article Number:** 103865 **DOI:** 10.1016/j.pnpnp.2021.103865 **Published:** JUL 2021

**Language:** English

**Document Type:** Review

**ISSN:** 0146-6410

**eISSN:** 1873-2224

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Modeling dark matter halos with nonlinear field theories

**Author(s):** Correa, RAC (Correa, R. A. C.); Moraes, PHRS (Moraes, P. H. R. S.); Dutra, AD (Dutra, A. de Souza); Dors, OL (Dors, O. L.); de Paulai, W (de Paulai, W.); Frederico, T (Frederico, T.)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article Number:** 103519 **DOI:** 10.1103/PhysRevD.103.103519 **Published:** MAY 14 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Evolution of perturbation and power spectrum in a two-component ultralight axionic universe

**Author(s):** Hsu, YH (Hsu, Yi-Hsiung); Chiueh, T (Chiueh, Tzihong)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article Number:** 103516 **DOI:** 10.1103/PhysRevD.103.103516 **Published:** MAY 13 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** One-parametric description for scalar field dark matter potentials

**Author(s):** Cedeno, FXL (Linares Cedeno, Francisco X.); Urena-Lopez, LA (Urena-Lopez, Luis Arturo)

**Source:** ASTRONOMISCHE NACHRICHTEN **Volume:** 342 **Issue:** 1-2 **Special Issue:** SI **Pages:** 404-410 **DOI:** 10.1002/asna.202113942 **Early Access Date:** FEB 2021 **Published:** JAN 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6337

**eISSN:** 1521-3994

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**Title:** Static Solutions in 5D Brans-Dicke Gravity Coupled with SO(3) Scalar Fields

**Author(s):** Lee, TH (Lee, Tae Hoon)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 77 **Issue:** 9 **Pages:** 748-753 **DOI:** 10.3938/jkps.77.748 **Published:** NOV 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0374-4884

**eISSN:** 1976-8524

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Simulating mixed fuzzy and cold dark matter

**Author(s):** Schwabe, B (Schwabe, Bodo); Gosenca, M (Gosenca, Mateja); Behrens, C (Behrens, Christoph); Niemeyer, JC (Niemeyer, Jens C.); Easther, R (Easther, Richard)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083518 **DOI:** 10.1103/PhysRevD.102.083518 **Published:** OCT 13 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Towards exterior/interior correspondence of black-holes

**Author(s):** Aviles-Niebla, C (Aviles-Niebla, C.); Nieto-Marin, PA (Nieto-Marin, P. A.); Nieto, JA (Nieto, J. A.)

**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 17 **Issue:** 12 **Article Number:** 2050180 **DOI:** 10.1142/S0219887820501807 **Published:** OCT 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0219-8878

**eISSN:** 1793-6977

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**Title:** How to tell an accreting boson star from a black hole

**Author(s):** Olivares, H (Olivares, Hector); Younsi, Z (Younsi, Ziri); Fromm, CM (Fromm, Christian M.); De Laurentis, M (De Laurentis, Mariafelicia); Porth, O (Porth, Oliver); Mizuno, Y (Mizuno, Yosuke); Falcke, H (Falcke, Heino); Kramer, M (Kramer, Michael); Rezzolla, L (Rezzolla, Luciano)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 497 **Issue:** 1 **Pages:** 521-535 **DOI:** 10.1093/mnras/staa1878 **Published:** SEP 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Primordial dark matter from curvature induced symmetry breaking

**Author(s):** Laulumaa, L (Laulumaa, Laura); Markkanen, T (Markkanen, Tommi); Nurmi, S (Nurmi, Sami)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2020/08/002 **Published:** AUG 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Is a Bose-Einstein condensate a good candidate for dark matter? A test with galaxy rotation curves

**Author(s):** Castellanos, E (Castellanos, Elias); Escamilla-Rivera, C (Escamilla-Rivera, Celia); Mastache, J (Mastache, Jorge)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 29 **Issue:** 9 **Article Number:** 2050063 **DOI:** 10.1142/S0218271820500637 **Published:** JUL 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Small-scale structure of fuzzy and axion-like dark matter

**Author(s):** Niemeyer, JC (Niemeyer, Jens C.)

**Source:** PROGRESS IN PARTICLE AND NUCLEAR PHYSICS **Volume:** 113 **Article Number:** 103787 **DOI:** 10.1016/j.pnpnp.2020.103787 **Published:** JUL 2020

**Language:** English

**Document Type:** Review

**ISSN:** 0146-6410

**eISSN:** 1873-2224

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**Title:** The M-sigma relation of supermassive black holes from the scalar field dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon); Kim, HC (Kim, Hyeong-Chan); Lee, J (Lee, Jungjai)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 35 **Issue:** 19 **Article Number:** 2050155 **DOI:** 10.1142/S0217732320501552 **Published:** JUN 21 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** The Big Bang is a Coordinate Singularity for  $k = -1$  Inflationary FLRW Spacetimes  
**Author(s):** Ling, E (Ling, Eric)  
**Source:** FOUNDATIONS OF PHYSICS **Volume:** 50 **Issue:** 5 **Pages:** 385-428 **DOI:** 10.1007/s10701-020-00335-7 **Early Access Date:** MAR 2020 **Published:** MAY 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0015-9018  
**eISSN:** 1572-9516

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**Title:** Scalar field solutions for anisotropic universe models in various gravitation theories  
**Author(s):** Kabak, A (Kabak, Ali); Aygun, S (Aygun, Sezgin)  
**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 17 **Issue:** 2 **Article Number:** 2050025 **DOI:** 10.1142/S0219887820500255 **Published:** FEB 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0219-8878  
**eISSN:** 1793-6977

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** First Star-Forming Structures in Fuzzy Cosmic Filaments  
**Author(s):** Moco, P (Moco, Philip); Fialkov, A (Fialkov, Anastasia); Vogelsberger, M (Vogelsberger, Mark); Becerra, F (Becerra, Fernando); Amin, MA (Amin, Mustafa A.); Bose, S (Bose, Sownak); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Chavanis, PH (Chavanis, Pierre-Henri); Hernquist, L (Hernquist, Lars); Lancaster, L (Lancaster, Lachlan); Marinacci, F (Marinacci, Federico); Robles, VH (Robles, Victor H.); Zavala, J (Zavala, Jesus)  
**Source:** PHYSICAL REVIEW LETTERS **Volume:** 123 **Issue:** 14 **Article Number:** 141301 **DOI:** 10.1103/PhysRevLett.123.141301 **Published:** OCT 2 2019  
**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Radial acceleration relation from ultra-light scalar dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon); Kim, HC (Kim, Hyeong-Chan); Lee, J (Lee, Jungjai)

**Source:** PHYSICS LETTERS B **Volume:** 795 **Pages:** 206-210 **DOI:** 10.1016/j.physletb.2019.06.008 **Published:** AUG 10 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Cosmological window onto the string axiverse and the supersymmetry breaking scale

**Author(s):** Visinelli, L (Visinelli, Luca); Vagnozzi, S (Vagnozzi, Sunny)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 6 **Article Number:** 063517 **DOI:** 10.1103/PhysRevD.99.063517 **Published:** MAR 15 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Quantum Entanglement of Dark Matter

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 73 **Issue:** 10 **Pages:** 1596-1602 **DOI:** 10.3938/jkps.73.1596 **Published:** NOV 2018

**Language:** English



**Document Type:** Article

**ISSN:** 0374-4884

**eISSN:** 1976-8524

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**

**Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Phase transitions between dilute and dense axion stars

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article**

**Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Scalar Field Cosmology in  $f(R,T)$  Gravity with Lambda

**Author(s):** Aygun, S (Aygun, Sezgin); Aktas, C (Aktas, Can); Sahoo, PK (Sahoo, Pradyumn Kumar); Bishi, BK (Bishi, Binaya K.)

**Source:** GRAVITATION & COSMOLOGY **Volume:** 24 **Issue:** 3 **Pages:** 302-307 **DOI:** 10.1134/S0202289318030039 **Published:** JUL 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0202-2893

**eISSN:** 1995-0721

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**Title:** Self-consistent construction of virialized wave dark matter halos

**Author(s):** Lin, SC (Lin, Shan-Chang); Schive, HY (Schive, Hsi-Yu); Wong, SK (Wong, Shing-Kwong); Chiueh, TH (Chiueh, Tzihong)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 10 **Article**

**Number:** 103523 **DOI:** 10.1103/PhysRevD.97.103523 **Published:** MAY 23 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Bose-Einstein condensates in charged black-hole spacetimes

**Author(s):** Castellanos, E (Castellanos, Elias); Degollado, JC (Carlos Degollado, Juan); Lammerzahl, C (Laemmerzahl, Claus); Macias, A (Macias, Alfredo); Perlick, V (Perlick, Volker)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 043 **DOI:** 10.1088/1475-7516/2018/01/043 **Published:** JAN 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** SIDM on FIRE: hydrodynamical self-interacting dark matter simulations of low-mass dwarf galaxies

**Author(s):** Robles, VH (Robles, Victor H.); Bullock, JS (Bullock, James S.); Elbert, OD (Elbert, Oliver D.); Fitts, A (Fitts, Alex); Gonzalez-Samaniego, A (Gonzalez-Samaniego, Alejandro); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Hopkins, PF (Hopkins, Philip F.); Faucher-Giguere, CA (Faucher-Giguere, Claude-Andre); Keres, D (Keres, Dusan); Hayward, CC (Hayward, Christopher C.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 472 **Issue:** 3 **Pages:** 2945-2954 **DOI:** 10.1093/mnras/stx2253 **Published:** DEC 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Cosmological perturbations of extreme axion in the radiation era

**Author(s):** Zhang, UH (Zhang, Ui-Han); Chiueh, T (Chiueh, Tzihong)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article Number:** 063522 **DOI:** 10.1103/PhysRevD.96.063522 **Published:** SEP 25 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Energy density profile inspired by noncommutativity

**Author(s):** Garcia-Aspeitia, MA (Garcia-Aspeitia, M. A.); Lopez-Dominguez, JC (Lopez-Dominguez, J. C.); Ortiz, C (Ortiz, C.); Hinojosa-Ruiz, S (Hinojosa-Ruiz, S.); Rodriguez-Meza, MA (Rodriguez-Meza, M. A.)

**Source:** REVISTA MEXICANA DE FISICA **Volume:** 63 **Issue:** 5 **Pages:** 423-438 **Published:** SEP-OCT 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-001X

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**Title:** Light axion-like dark matter must be present during inflation

**Author(s):** Visinelli, L (Visinelli, Luca)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 2 **Article Number:** 023013 **DOI:** 10.1103/PhysRevD.96.023013 **Published:** JUL 27 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

eISSN: 2470-0029

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Jeans analysis for dwarf spheroidal galaxies in wave dark matter

**Author(s):** Chen, SR (Chen, Shu-Rong); Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 468 **Issue:** 2 **Pages:** 1338-1348 **DOI:** 10.1093/mnras/stx449 **Published:** JUN 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Scalar field as a Bose-Einstein condensate in a Schwarzschild-de Sitter spacetime

**Author(s):** Castellanos, E (Castellanos, Elias); Escamilla-Rivera, C (Escamilla-Rivera, Celia); Lammerzahn, C (Laemmerzahn, Claus); Macias, A (Macias, Alfredo)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 26 **Issue:** 4 **Article Number:** 1750032 **DOI:** 10.1142/S0218271817500328 **Published:** APR 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Analytic solutions of the geodesic equation for U(1)(2) dyonic rotating black holes

**Author(s):** Flathmann, K (Flathmann, Kai); Grunau, S (Grunau, Saskia)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 12 **Article Number:** 124013 **DOI:** 10.1103/PhysRevD.94.124013 **Published:** DEC 9 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Time-dependent scalar fields as candidates for dark matter

**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Can dark matter be a scalar field?

**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Maltrasi, JLG (Maltrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Mass decomposition of SLACS lens galaxies in Weyl conformal gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, RN (Izmailov, Ramil N.); Nandi, KK (Nandi, Kamal K.)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 12 **Article**

**Number:** 124070 **DOI:** 10.1103/PhysRevD.93.124070 **Published:** JUN 28 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Characteristic size and mass of galaxies in the Bose-Einstein condensate dark matter model

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** PHYSICS LETTERS B **Volume:** 756 **Pages:** 166-

169 **DOI:** 10.1016/j.physletb.2016.03.016 **Published:** MAY 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Warm dark matter effects in a spherical collapse model with shear and angular momentum

**Author(s):** Marciu, M (Marciu, Mihai)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 6 **Article Number:** 063514 **DOI:** 10.1103/PhysRevD.93.063514 **Published:** MAR 14 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** A UNIVERSAL SFDM HALO MASS FOR THE ANDROMEDA AND MILKY WAY'S DSPHS?

**Author(s):** Lora, V (Lora, V.)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 807 **Issue:** 2 **Article Number:** 116 **DOI:** 10.1088/0004-637X/807/2/116 **Published:** JUL 10 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Constraint on dark matter central density in the Eddington inspired Born-Infeld (EiBI) gravity with input from Weyl gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, R (Izmailov, Ramil); Mikolaychuk, O (Mikolaychuk, Olga); Mikolaychuk, N (Mikolaychuk, Nikolay); Ghosh, M (Ghosh, Mithun); Nandi, KK (Nandi, Kamal K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 018 **DOI:** 10.1088/1475-7516/2015/07/018 **Published:** JUL 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** DETECTING TRIAXIALITY IN THE GALACTIC DARK MATTER HALO THROUGH STELLAR KINEMATICS. II. DEPENDENCE ON NATURE DARK MATTER AND GRAVITY

**Author(s):** Rojas-Nino, A (Rojas-Nino, Armando); Martinez-Medina, LA (Martinez-Medina, Luis A.); Pichardo, B (Pichardo, Barbara); Valenzuela, O (Valenzuela, Octavio)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 805 **Issue:** 1 **Article Number:** 29 **DOI:** 10.1088/0004-637X/805/1/29 **Published:** MAY 20 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** A new approach on the stability analysis in ELKO cosmology

**Author(s):** Souza, APD (dos Santos Souza, A. P.); Pereira, SH (Pereira, S. H.); Jesus, JF (Jesus, J. F.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 1 **Article Number:** 36 **DOI:** 10.1140/epjc/s10052-015-3260-9 **Published:** JAN 29 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Small scale structures in coupled scalar field dark matter

**Author(s):** Beyer, J (Beyer, J.); Wetterich, C (Wetterich, C.)

**Source:** PHYSICS LETTERS B **Volume:** 738 **Pages:** 418-423 **DOI:** 10.1016/j.physletb.2014.10.012 **Published:** NOV 10 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Novel ansatz to obtain inflation in brane-worlds: the dynamical perspective

**Author(s):** Perez, JL (Perez, Juan L.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.); Urena-Lopez, LA (Urena-Lopez, Luis A.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 10 **Article Number:** 1804 **DOI:** 10.1007/s10714-014-1804-1 **Published:** OCT 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Single scale factor for the universe from the creation of radiation and matter till the present

**Author(s):** Erdem, R (Erdem, Recai)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 74 **Issue:** 9 **Article Number:** 3066 **DOI:** 10.1140/epjc/s10052-014-3066-1 **Published:** SEP 23 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Some remarks on the attractor behaviour in ELKO cosmology

**Author(s):** Pereira, SH (Pereira, S. H.); Pinho, SSA (Pinho, A. S. S.); da Silva, JMH (Hoff da Silva, J. M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2014/08/020 **Published:** AUG 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Binary satellite galaxies

**Author(s):** Evslin, J (Evslin, Jarah)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 440 **Issue:** 2 **Pages:** 1225-1232 **DOI:** 10.1093/mnras/stu340 **Published:** MAY 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Note on the thermodynamics and the speed of sound of a scalar field

**Author(s):** Piattella, OF (Piattella, Oliver F.); Fabris, JC (Fabris, Julio C.); Bilic, N (Bilic, Neven)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 5 **Article Number:** 055006 **DOI:** 10.1088/0264-9381/31/5/055006 **Published:** MAR 7 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Numerical simulations of single and binary black holes in scalar-tensor theories: Circumventing the no-hair theorem  
**Author(s):** Berti, E (Berti, Emanuele); Cardoso, V (Cardoso, Vitor); Gualtieri, L (Gualtieri, Leonardo); Horbatsch, M (Horbatsch, Michael); Sperhake, U (Sperhake, Ulrich)  
**Source:** PHYSICAL REVIEW D **Volume:** 87 **Issue:** 12 **Article Number:** 124020 **DOI:** 10.1103/PhysRevD.87.124020 **Published:** JUN 18 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Thermal properties of charged dilaton black hole, energy and momentum in teleparallel equivalent of general relativity  
**Author(s):** Nashed, GGL (Nashed, Gamal G. L.)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 344 **Issue:** 1 **Pages:** 87-97 **DOI:** 10.1007/s10509-012-1327-8 **Published:** MAR 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Growth of perturbations in an expanding universe with Bose-Einstein condensate dark matter  
**Author(s):** Chavanis, PH (Chavanis, P. H.)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 537 **Article Number:** A127 **DOI:** 10.1051/0004-6361/201116905 **Published:** JAN 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-6361  
**eISSN:** 1432-0746

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**Title:** BEC dark matter, Zeldovich approximation, and generalized Burgers equation  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 6 **Article Number:** 063518 **DOI:** 10.1103/PhysRevD.84.063518 **Published:** SEP 20 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with short-range interactions. II. Numerical results

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Delfini, L (Delfini, Luca)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article**

**Number:** 043532 **DOI:** 10.1103/PhysRevD.84.043532 **Published:** AUG 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with short-range interactions. I. Analytical results

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article**

**Number:** 043531 **DOI:** 10.1103/PhysRevD.84.043531 **Published:** AUG 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Energy and momentum of a spherically symmetric dilaton frame as regularized by teleparallel gravity

**Author(s):** Nashed, GGL (Nashed, Gamal G. L.)

**Source:** ANNALEN DER PHYSIK **Volume:** 523 **Issue:** 6 **Pages:** 450-458 **DOI:** 10.1002/andp.201100030 **Published:** JUN 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0003-3804

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**Title:** Viability of complex self-interacting scalar field as dark matter

**Author(s):** Briscese, F (Briscese, F.)

**Source:** PHYSICS LETTERS B **Volume:** 696 **Issue:** 4 **Pages:** 315-320 **DOI:** 10.1016/j.physletb.2010.12.064 **Published:** FEB 7 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** LUKEWARM DARK MATTER: BOSE CONDENSATION OF ULTRALIGHT PARTICLES

**Author(s):** Lundgren, AP (Lundgren, Andrew P.); Bondarescu, M (Bondarescu, Mihai); Bondarescu, R (Bondarescu, Ruxandra); Balakrishna, J (Balakrishna, Jayashree)

**Source:** ASTROPHYSICAL JOURNAL LETTERS **Volume:** 715 **Issue:** 1 **Pages:** L35-L39 **DOI:** 10.1088/2041-8205/715/1/L35 **Published:** MAY 20 2010

**Language:** English

**Document Type:** Article

**ISSN:** 2041-8205

eISSN: 2041-8213

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**Title:** Unified Dark Matter Scalar Field Models

**Author(s):** Bertacca, D (Bertacca, Daniele); Bartolo, N (Bartolo, Nicola); Matarrese, S (Matarrese, Sabino)

**Source:** ADVANCES IN ASTRONOMY **Volume:** 2010 **Article Number:** 904379 **DOI:** 10.1155/2010/904379 **Published:** 2010

**Language:** English

**Document Type:** Review

**ISSN:** 1687-7969

**eISSN:** 1687-7977

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**Title:** Features of galactic halo in a brane world model and observational constraints

**Author(s):** Nandi, KK (Nandi, K. K.); Filippov, AI (Filippov, A. I.); Rahaman, F (Rahaman, F.); Ray, S (Ray, Saibal); Usmani, AA (Usmani, A. A.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 399 **Issue:** 4 **Pages:** 2079-2087 **DOI:** 10.1111/j.1365-2966.2009.15399.x **Published:** NOV 11 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Is Dark Matter a BEC or Scalar Field?

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 54 **Issue:** 6 **Special Issue:** SI **Pages:** 2622-2625 **DOI:** 10.3938/jkps.54.2622 **Part:** 1 **Published:** JUN 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0374-4884

**eISSN:** 1976-8524

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**Title:** The Decay of Massive Scalar Field in Non-Static Godel Type Universe with Viscous Fluid and Heat Flow

**Author(s):** Aygun, S (Ayguen, S.); Tarhan, I (Tarhan, I.)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 47 **Issue:** 12 **Pages:** 3257-3266 **DOI:** 10.1007/s10773-008-9761-7 **Published:** DEC 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Galactic rotation curves and brane-world models

**Author(s):** Rahaman, F (Rahaman, F.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.); Usmani, AA (Usmani, A. A.); Ray, S (Ray, Saibal)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 389 **Issue:** 1 **Pages:** 27-33 **DOI:** 10.1111/j.1365-2966.2008.13559.x **Published:** SEP 1 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Halos of unified dark matter scalar field

**Author(s):** Bertacca, D (Bertacca, Daniele); Bartolo, N (Bartolo, Nicola); Matarrese, S (Matarrese, Sabino)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 5 **Article Number:** 005 **DOI:** 10.1088/1475-7516/2008/05/005 **Published:** MAY 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Scalar field theory and energy-momentum problem of Yilmaz-Rosen metric in general relativity and teleparallel gravity

**Author(s):** Aygun, S (Aygun, Sezgin); Tarhan, I (Tarhan, Ismail); Baysal, H (Baysal, Huesnue)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 314 **Issue:** 4 **Pages:** 323-330 **DOI:** 10.1007/s10509-008-9773-z **Published:** APR 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0004-640X

**eISSN:** 1572-946X

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**Title:** Numerical simulations of oscillating soliton stars: Excited states in spherical symmetry and ground state evolutions in 3D

**Author(s):** Balakrishna, J (Balakrishna, Jayashree); Bondarescu, R (Bondarescu, Ruxandra); Daues, G (Daues, Gregory); Bondarescu, M (Bondarescu, Mihai)

**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 2 **Article Number:** 024028 **DOI:** 10.1103/PhysRevD.77.024028 **Published:** JAN 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Cosmic string spacetime in dilaton gravity and flat rotation curves

**Author(s):** Lee, TH (Lee, TH)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 19 **Issue:** 39 **Pages:** 2929-2940 **DOI:** 10.1142/S0217732304016251 **Published:** DEC 21 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Maxwell-Boltzmann gas with nonstandard self-interactions: A novel approach to galactic dark matter

**Author(s):** Balakin, A (Balakin, A); Sussman, RA (Sussman, RA); Zimdahl, W (Zimdahl, W)

**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 6 **Article**

**Number:** 064027 **DOI:** 10.1103/PhysRevD.70.064027 **Published:** SEP 15 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Modelling the rotational curves of spiral galaxies with a scalar field

**Author(s):** Mbelek, JP (Mbelek, JP)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 424 **Issue:** 3 **Pages:** 761-764 **DOI:** 10.1051/0004-6361:20040192 **Published:** SEP 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361

**eISSN:** 1432-0746

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**Title:** Scalar-tensor gravity coupled to a global monopole and flat rotation curves

**Author(s):** Lee, TH (Lee, TH); Lee, BJ (Lee, BJ)

**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 12 **Article**

**Number:** 127502 **DOI:** 10.1103/PhysRevD.69.127502 **Published:** JUN 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Galactic potentials

**Author(s):** Lake, K (Lake, K)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 92 **Issue:** 5 **Article**

**Number:** 051101 **DOI:** 10.1103/PhysRevLett.92.051101 **Published:** FEB 6 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Galactic halos of fluid dark matter

**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)

**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article**

**Number:** 023511 **DOI:** 10.1103/PhysRevD.68.023511 **Published:** JUL 15 2003

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Numerical evidence for "multiscalar stars"  
**Author(s):** Hawley, SH (Hawley, SH); Choptuik, MW (Choptuik, MW)  
**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 2 **Article Number:** 024010 **DOI:** 10.1103/PhysRevD.67.024010 **Published:** JAN 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Supermassive black holes in scalar field galaxy halos  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA); Liddle, AR (Liddle, AR)  
**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 8 **Article Number:** 083005 **DOI:** 10.1103/PhysRevD.66.083005 **Published:** OCT 15 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** On the dark energy clustering properties  
**Author(s):** Perrotta, F (Perrotta, F); Baccigalupi, C (Baccigalupi, C)  
**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 12 **Article Number:** 123505 **DOI:** 10.1103/PhysRevD.65.123505 **Published:** JUN 15 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Oscillatons revisited  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 10 **Pages:** 2617-2632 **Article Number:** PII S0264-9381(02)29879-2 **DOI:** 10.1088/0264-9381/19/10/307 **Published:** MAY 21 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Quintessential halos around galaxies  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article Number:** 123528 **DOI:** 10.1103/PhysRevD.64.123528 **Published:** DEC 15 2001  
**Language:** English  
**Document Type:** Article

ISSN: 0556-2821

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**Title:** Supermassive boson star at the galactic center? art. no. 104012

**Author(s):** Torres, DF (Torres, DF); Capozziello, S (Capozziello, S); Lambiase, G (Lambiase, G)

**Source:** PHYSICAL REVIEW D **Volume:** 62 **Issue:** 10 **Article**

**Number:** 104012 **DOI:** 10.1103/PhysRevD.62.104012 **Published:** NOV 15 2000

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

- 2.1.a.45. **Tonatiuh Matos** and Hugo Villegas. Possible Astrophysical Signatures of Dilatonic Fields. *Class. Quant. Grav.*, 17, (2000), 1455-1466.
- 2.1.a.46. **Tonatiuh Matos** and F. Siddhartha Guzmán. Quintessence at Galactic Level? *Ann. Phys. (Leipzig)* 9, (2000), S133-S136. Available at: astro-ph/0002126.
- 2.1.a.47. **Tonatiuh Matos**, Darío Nuñez, Gabino Estevez and Maribel Rios. Rotating 5D-Kaluza-Klein Space-Times from Invariant Transformations. *Gen. Rel. Grav.*, 32, (2000), 1499-1525. Available at: gr-qc/0001039

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**Title:** Black holes in N=8 supergravity from SO(4,4) hidden symmetries

**Author(s):** Chow, DDK (Chow, David D. K.); Compere, G (Compere, Geoffrey)

**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 2 **Article**

**Number:** 025029 **DOI:** 10.1103/PhysRevD.90.025029 **Published:** JUL 23 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** New exact solutions of the Einstein vacuum equations for rotating axially symmetric fields

**Author(s):** Ali, AT (Ali, Ahmad T.)

**Source:** PHYSICA SCRIPTA **Volume:** 79 **Issue:** 3 **Article**

**Number:** 035006 **DOI:** 10.1088/0031-8949/79/03/035006 **Published:** MAR 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0031-8949

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**Title:** Charging a double Kerr solution in five-dimensional Einstein-Maxwell-Kalb-Ramond theory

**Author(s):** Becerril, R (Becerril, R); Herrera-Aguilar, A (Herrera-Aguilar, A)

**Source:** JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 46 **Issue:** 5 **Article**

**Number:** 052503 **DOI:** 10.1063/1.1897843 **Published:** MAY 2005

**Language:** English

**Document Type:** Article  
**ISSN:** 0022-2488  
**eISSN:** 1089-7658

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**Title:** Inverse scattering method, Lie-Backlund transformations, and solitons for low-energy effective field equations of 5D string theory

**Author(s):** Herrera-Aguilar, A (Herrera-Aguilar, A); Mora-Luna, RR (Mora-Luna, RR)

**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 10 **Article**

**Number:** 105002 **DOI:** 10.1103/PhysRevD.69.105002 **Published:** MAY 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Soliton solutions in string gravity

**Author(s):** Yurova, M (Yurova, M)

**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 2 **Article**

**Number:** 024022 **DOI:** 10.1103/PhysRevD.64.024022 **Published:** JUL 15 2001

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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2.1.a.48. **Tonatiuh Matos**, F. Siddhartha Guzmán and Luis A. Ureña. Scalar Fields as Dark Matter in the Universe. *Class. Quant. Grav.*, 17, (2000), 1707-1712. Available at: astro-ph/ 9908152

75 citas

**Title:** Multi-fluid cosmology in Einstein gravity: analytical solutions

**Author(s):** Faraoni, V (Faraoni, Valerio); Jose, S (Jose, Sonia); Dussault, S (Dussault, Steve)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 53 **Issue:** 12 **Article**

**Number:** 109 **DOI:** 10.1007/s10714-021-02879-z **Published:** DEC 2021

**Language:** English

**Document Type:** Review

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Modifying PyUltraLight to model scalar dark matter with self-interactions

**Author(s):** Glennon, N (Glennon, Noah); Prescod-Weinstein, C (Prescod-Weinstein, Chanda)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article**

**Number:** 083532 **DOI:** 10.1103/PhysRevD.104.083532 **Published:** OCT 20 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** A stabilization mechanism for excited fermion-boson stars

**Author(s):** Di Giovanni, F (Di Giovanni, Fabrizio); Fakhry, S (Fakhry, Saeed); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Degollado, Juan Carlos); Font, JA (Font, Jose A.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 19 **Article Number:** 194001 **DOI:** 10.1088/1361-6382/ac1b45 **Published:** OCT 7 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Long-wavelength nonlinear perturbations of a complex scalar field

**Author(s):** Padilla, LE (Padilla, Luis E.); Hidalgo, JC (Carlos Hidalgo, Juan); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article Number:** 083513 **DOI:** 10.1103/PhysRevD.104.083513 **Published:** OCT 5 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Beyond Schrodinger-Poisson: nonrelativistic effective field theory for scalar dark matter

**Author(s):** Salehian, B (Salehian, Borna); Zhang, HY (Zhang, Hong-Yi); Amin, MA (Amin, Mustafa A.); Kaiser, DI (Kaiser, David, I); Namjoo, MH (Namjoo, Mohammad Hossein)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 9 **Article Number:** 050 **DOI:** 10.1007/JHEP09(2021)050 **Published:** SEP 9 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Gravitational lensing study of cold dark matter-led galactic halo

**Author(s):** Ghosh, S (Ghosh, Samrat); Bhadra, A (Bhadra, Arunava); Mukhopadhyay, A (Mukhopadhyay, Amitabha)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 30 **Issue:** 12 **Article Number:** 2150089 **DOI:** 10.1142/S0218271821500899 **Published:** SEP 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** On dark matter as a geometric effect in the galactic halo

**Author(s):** Camci, U (Camci, Ugur)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 366 **Issue:** 9 **Article Number:** 91 **DOI:** 10.1007/s10509-021-03997-5 **Published:** SEP 2021



**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Complex Scalar Field Reheating and Primordial Black Hole production  
**Author(s):** Carrion, K (Carrion, Karim); Hidalgo, JC (Carlos Hidalgo, Juan); Montiel, A (Montiel, Ariadna); Padilla, LE (Padilla, Luis E.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 001 **DOI:** 10.1088/1475-7516/2021/07/001 **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Evolution of perturbation and power spectrum in a two-component ultralight axionic universe  
**Author(s):** Hsu, YH (Hsu, Yi-Hsiung); Chiueh, T (Chiueh, Tzihong)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article Number:** 103516 **DOI:** 10.1103/PhysRevD.103.103516 **Published:** MAY 13 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Collapse of an axion scalar field  
**Author(s):** Chakrabarti, S (Chakrabarti, Soumya)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 81 **Issue:** 2 **Article Number:** 124 **DOI:** 10.1140/epjc/s10052-021-08930-2 **Published:** FEB 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Wave Dark Matter  
**Author(s):** Hui, L (Hui, Lam)  
**Edited by:** VanDishoeck EF; Kennicutt RC  
**Source:** ANNUAL REVIEW OF ASTRONOMY AND ASTROPHYSICS, VOL 59 **Book Series:** Annual Review of Astronomy and Astrophysics **Volume:** 59 **Pages:** 247-289 **DOI:** 10.1146/annurev-astro-120920-010024 **Published:** 2021  
**Language:** English  
**Document Type:** Review; Book Chapter  
**ISSN:** 0066-4146  
**eISSN:** 1545-4282  
**ISBN:** 978-0-8243-0959-6

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**Title:** Stirred and shaken: Dynamical behavior of boson stars and dark matter cores

**Author(s):** Annulli, L (Annulli, Lorenzo); Cardoso, V (Cardoso, Vitor); Vicente, R (Vicente, Rodrigo)

**Source:** PHYSICS LETTERS B **Volume:** 811 **Article**

**Number:** 135944 **DOI:** 10.1016/j.physletb.2020.135944 **Published:** DEC 10 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Dynamical formation and stability of fermion-boson stars

**Author(s):** Di Giovanni, F (Di Giovanni, Fabrizio); Fakhry, S (Fakhry, Saeed); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Font, JA (Font, Jose A.)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**

**Number:** 084063 **DOI:** 10.1103/PhysRevD.102.084063 **Published:** OCT 27 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Simulating mixed fuzzy and cold dark matter

**Author(s):** Schwabe, B (Schwabe, Bodo); Gosenca, M (Gosenca, Mateja); Behrens, C (Behrens, Christoph); Niemeyer, JC (Niemeyer, Jens C.); Easter, R (Easter, Richard)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**

**Number:** 083518 **DOI:** 10.1103/PhysRevD.102.083518 **Published:** OCT 13 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Dynamical I-boson stars: Generic stability and evidence for nonspherical solutions

**Author(s):** Jaramillo, V (Jaramillo, Victor); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Herdeiro, C (Herdeiro, Carlos); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 12 **Article**

**Number:** 124020 **DOI:** 10.1103/PhysRevD.101.124020 **Published:** JUN 11 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Stability analysis and constraints on interacting viscous cosmology

**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.); Magana, J (Magana, Juan); Motta, V (Motta, V)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 6 **Article**

**Number:** 063516 **DOI:** 10.1103/PhysRevD.101.063516 **Published:** MAR 13 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** How sound are our ultralight axion approximations?

**Author(s):** Cookmeyer, J (Cookmeyer, Jonathan); Grin, D (Grin, Daniel); Smith, TL (Smith, Tristan L.)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 2 **Article**

**Number:** 023501 **DOI:** 10.1103/PhysRevD.101.023501 **Published:** JAN 2 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Polytropic Carnot heat engine

**Author(s):** Askin, M (Askin, M.); Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 34 **Issue:** 24 **Article**

**Number:** 1950197 **DOI:** 10.1142/S0217732319501979 **Published:** AUG 10 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Self-gravitating gaseous spheres in 5D framework

**Author(s):** Kangal, EE (Kangal, E. E.)

**Source:** CHINESE JOURNAL OF PHYSICS **Volume:** 58 **Pages:** 85-97 **DOI:** 10.1016/j.cjph.2019.01.007 **Published:** APR 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0577-9073

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**Title:** Response to an external magnetic field of the decay rate of a neutral scalar field into a charged fermion pair

**Author(s):** Jaber-Urquiza, J (Jaber-Urquiza, Jorge); Piccinelli, G (Piccinelli, Gabriella); Sanchez, A (Sanchez, Angel)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 5 **Article**

**Number:** 056011 **DOI:** 10.1103/PhysRevD.99.056011 **Published:** MAR 22 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Scalar field dark matter: helping or hurting small-scale problems in cosmology?

**Author(s):** Robles, VH (Robles, Victor H.); Bullock, JS (Bullock, James S.); Boylan-Kolchin, M (Boylan-Kolchin, Michael)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 483 **Issue:** 1 **Pages:** 289-298 **DOI:** 10.1093/mnras/sty3190 **Published:** FEB 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Variable Chaplygin gas in Kaluza-Klein framework

**Author(s):** Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.); Tas, A (Tas, A.); Sogut, K (Sogut, K.); Kangal, EE (Kangal, E. E.)

**Source:** CANADIAN JOURNAL OF PHYSICS **Volume:** 97 **Issue:** 2 **Pages:** 117-124 **DOI:** 10.1139/cjp-2017-0873 **Published:** FEB 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0008-4204

**eISSN:** 1208-6045

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**Title:** Gravitational waves with dark matter minispikes: The combined effect

**Author(s):** Yue, XJ (Yue, Xiao-Jun); Han, WB (Han, Wen-Biao)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 6 **Article Number:** 064003 **DOI:** 10.1103/PhysRevD.97.064003 **Published:** MAR 5 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Variable generalized Chaplygin gas in a 5D cosmology

**Author(s):** Salti, M (Salti, Mustafa); Aydogdu, O (Aydogdu, Oktay); Yanar, H (Yanar, Hilmi); Sogut, K (Sogut, Kenan)

**Source:** ANNALS OF PHYSICS **Volume:** 390 **Pages:** 131-142 **DOI:** 10.1016/j.aop.2018.01.007 **Published:** MAR 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0003-4916

**eISSN:** 1096-035X

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**Title:** Collapse threshold for a cosmological Klein-Gordon field

**Author(s):** Hidalgo, JC (Carlos Hidalgo, Juan); De Santiago, J (De Santiago, Josue); German, G (German, Gabriel); Barbosa-Cendejas, N (Barbosa-Cendejas, Nandinii); Ruiz-Luna, W (Ruiz-Luna, Waldemar)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article Number:** 063504 **DOI:** 10.1103/PhysRevD.96.063504 **Published:** SEP 6 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Description of the evolution of inhomogeneities on a dark matter halo with the Vlasov equation

**Author(s):** Dominguez-Fernandez, P (Dominguez-Fernandez, Paola); Jimenez-Vazquez, E (Jimenez-Vazquez, Erik); Alcubierre, M (Alcubierre, Miguel); Montoya, E (Montoya, Edison); Nunez, D (Nunez, Dario)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 49 **Issue:** 9 **Article Number:** 123 **DOI:** 10.1007/s10714-017-2286-8 **Published:** SEP 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** First Constraints on Fuzzy Dark Matter from Lyman-alpha Forest Data and Hydrodynamical Simulations

**Author(s):** Irsic, V (Irsic, Vid); Viel, M (Viel, Matteo); Haehnelt, MG (Haehnelt, Martin G.); Bolton, JS (Bolton, James S.); Becker, GD (Becker, George D.)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 119 **Issue:** 3 **Article Number:** 031302 **DOI:** 10.1103/PhysRevLett.119.031302 **Published:** JUL 20 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Class of Exact Solutions for a Cosmological Model of Unified Gravitational and Quintessence Fields

**Author(s):** Asenjo, FA (Asenjo, Felipe A.); Hojman, SA (Hojman, Sergio A.)

**Source:** FOUNDATIONS OF PHYSICS **Volume:** 47 **Issue:** 7 **Pages:** 887-896 **DOI:** 10.1007/s10701-017-0091-6 **Published:** JUL 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0015-9018

**eISSN:** 1572-9516

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**Title:** Evading Weinberg's no-go theorem to construct mass dimension one fermions: Constructing darkness

**Author(s):** Ahluwalia, DV (Ahluwalia, Dharam Vir)

**Source:** EPL **Volume:** 118 **Issue:** 6 **Article Number:** 60001 **DOI:** 10.1209/0295-5075/118/60001 **Published:** JUN 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0295-5075

**eISSN:** 1286-4854

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**Title:** Jeans analysis for dwarf spheroidal galaxies in wave dark matter

**Author(s):** Chen, SR (Chen, Shu-Rong); Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 468 **Issue:** 2 **Pages:** 1338-1348 **DOI:** 10.1093/mnras/stx449 **Published:** JUN 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Black hole formation from axion stars

**Author(s):** Helfer, T (Helfer, Thomas); Marsh, DJE (Marsh, David J. E.); Clough, K (Clough, Katy); Fairbairn, M (Fairbairn, Malcolm); Lim, EA (Lim, Eugene A.); Becerril, R (Becerril, Ricardo)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 3 **Article Number:** 055 **DOI:** 10.1088/1475-7516/2017/03/055 **Published:** MAR 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Perturbations of ultralight vector field dark matter

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article Number:** 064 **DOI:** 10.1007/JHEP02(2017)064 **Published:** FEB 13 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Time-dependent scalar fields as candidates for dark matter

**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Ultra-light dark matter in ultra-faint dwarf galaxies

**Author(s):** Calabrese, E (Calabrese, Erminia); Spergel, DN (Spergel, David N.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 460 **Issue:** 4 **Pages:** 4397-4402 **DOI:** 10.1093/mnras/stw1256 **Published:** AUG 21 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Simulations of solitonic core mergers in ultralight axion dark matter cosmologies  
**Author(s):** Schwabe, B (Schwabe, Bodo); Niemeyer, JC (Niemeyer, Jens C.); Engels, JF (Engels, Jan F.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 4 **Article Number:** 043513 **DOI:** 10.1103/PhysRevD.94.043513 **Published:** AUG 12 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Can dark matter be a scalar field?  
**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Maltrasi, JLG (Maltrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Cosmological perturbations in coherent oscillating scalar field models  
**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article Number:** 013 **DOI:** 10.1007/JHEP03(2016)013 **Published:** MAR 3 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** A UNIVERSAL SFDM HALO MASS FOR THE ANDROMEDA AND MILKY WAY'S DSPHS?  
**Author(s):** Lora, V (Lora, V.)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 807 **Issue:** 2 **Article Number:** 116 **DOI:** 10.1088/0004-637X/807/2/116 **Published:** JUL 10 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Quasistationary solutions of self-gravitating scalar fields around black holes  
**Author(s):** Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Montero, PJ (Montero, Pedro J.); Font, JA (Font, Jose A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 4 **Article Number:** 043005 **DOI:** 10.1103/PhysRevD.91.043005 **Published:** FEB 23 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998

eISSN: 1550-2368

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**Title:** A new approach on the stability analysis in ELKO cosmology

**Author(s):** Souza, APD (dos Santos Souza, A. P.); Pereira, SH (Pereira, S. H.); Jesus, JF (Jesus, J. F.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 1 **Article Number:** 36 **DOI:** 10.1140/epjc/s10052-015-3260-9 **Published:** JAN 29 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Some remarks on the attractor behaviour in ELKO cosmology

**Author(s):** Pereira, SH (Pereira, S. H.); Pinho, SSA (Pinho, A. S. S.); da Silva, JMH (Hoff da Silva, J. M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2014/08/020 **Published:** AUG 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** A New Proposal for Galactic Dark Matter: Effect of  $f(T)$  Gravity

**Author(s):** Rahaman, F (Rahaman, Farook); Biswas, R (Biswas, Ritabrata); Fatima, HI (Fatima, Hafiza Ismat); Islam, N (Islam, Nasarul)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 53 **Issue:** 2 **Pages:** 370-379 **DOI:** 10.1007/s10773-013-1817-7 **Published:** FEB 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Ultrarelativistic Bose-Einstein gas on Lorentz symmetry violation

**Author(s):** de Sales, JA (de Sales, J. A.); Costa-Soares, T (Costa-Soares, T.); Otoy, VJV (Vasquez Otoy, V. J.)

**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 391 **Issue:** 22 **Pages:** 5422-5432 **DOI:** 10.1016/j.physa.2012.06.043 **Published:** NOV 15 2012



**Language:** English  
**Document Type:** Article  
**ISSN:** 0378-4371  
**eISSN:** 1873-2119

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**Title:** Axion as a cold dark matter candidate: Low-mass case  
**Author(s):** Park, CG (Park, Chan-Gyung); Hwang, JC (Hwang, Jai-chan); Noh, H (Noh, Hyerim)  
**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 8 **Article Number:** 083535 **DOI:** 10.1103/PhysRevD.86.083535 **Published:** OCT 22 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** On the mass of ultra-light bosonic dark matter from galactic dynamics  
**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan); Bernal, A (Bernal, Argelia); Sanchez-Salcedo, FJ (Sanchez-Salcedo, F. J.); Grebel, EK (Grebel, E. K.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 2 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2012/02/011 **Published:** FEB 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Confusing the extragalactic neutrino flux limit with a neutrino propagation limit  
**Author(s):** Barranco, J (Barranco, Juan); Miranda, OG (Miranda, Omar G.); Moura, CA (Moura, Celio A.); Rashba, TI (Rashba, Timur I.); Rossi-Torres, F (Rossi-Torres, Fernando)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 10 **Article Number:** 007 **DOI:** 10.1088/1475-7516/2011/10/007 **Published:** OCT 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Solving the cusp-core problem with a novel scalar field dark matter  
**Author(s):** Su, KY (Su, Kung-Yi); Chen, PS (Chen, Pisin)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 016 **DOI:** 10.1088/1475-7516/2011/08/016 **Published:** AUG 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** BDM dark matter: CDM with a core profile and a free streaming scale  
**Author(s):** de la Macorra, A (de la Macorra, A.)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 33 **Issue:** 3 **Pages:** 195-200 **DOI:** 10.1016/j.astropartphys.2010.01.009 **Published:** APR 2010

**Language:** English

**Document Type:** Article

**ISSN:** 0927-6505

**eISSN:** 1873-2852

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**Title:** The Decay of Massive Scalar Field in Non-Static Godel Type Universe with Viscous Fluid and Heat Flow

**Author(s):** Aygun, S (Ayguen, S.); Tarhan, I (Tarhan, I.)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 47 **Issue:** 12 **Pages:** 3257-3266 **DOI:** 10.1007/s10773-008-9761-7 **Published:** DEC 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Galactic rotation curves and brane-world models

**Author(s):** Rahaman, F (Rahaman, F.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.); Usmani, AA (Usmani, A. A.); Ray, S (Ray, Saibal)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 389 **Issue:** 1 **Pages:** 27-33 **DOI:** 10.1111/j.1365-2966.2008.13559.x **Published:** SEP 1 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Cosmology with a variable Chaplygin gas

**Author(s):** Guo, ZK (Guo, Zong-Kuan); Zhang, YZ (Zhang, Yuan-Zhong)

**Source:** PHYSICS LETTERS B **Volume:** 645 **Issue:** 4 **Pages:** 326-329 **DOI:** 10.1016/j.physletb.2006.12.063 **Published:** FEB 15 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Combining rotation curves and gravitational lensing: how to measure the equation of state of dark matter in the galactic halo

**Author(s):** Faber, T (Faber, Tristan); Visser, M (Visser, Matt)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 372 **Issue:** 1 **Pages:** 136-142 **DOI:** 10.1111/j.1365-2966.2006.10845.x **Published:** OCT 11 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

eISSN: 1365-2966

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**Title:** Homogeneous scalar field and the wet dark sides of the universe  
**Author(s):** Diez-Tejedor, A (Diez-Tejedor, Alberto); Feinstein, A (Feinstein, Alexander)  
**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 2 **Article Number:** 023530 **DOI:** 10.1103/PhysRevD.74.023530 **Published:** JUL 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Bianchi type IX asymptotical behaviours with a massive scalar field: chaos strikes back  
**Author(s):** Fay, S (Fay, S); Lehner, T (Lehner, T)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 37 **Issue:** 6 **Pages:** 1097-1117 **DOI:** 10.1007/s10714-005-0093-0 **Published:** JUN 2005  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701

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**Title:** Vector field and rotational curves in dark galactic halos  
**Author(s):** Kiselev, VV (Kiselev, VV)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 22 **Issue:** 3 **Pages:** 541-557 **DOI:** 10.1088/0264-9381/22/3/007 **Published:** FEB 7 2005  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Vector field as a quintessence partner  
**Author(s):** Kiselev, VV (Kiselev, VV)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 13 **Pages:** 3323-3335 **Article Number:** PII S0264-9381(04)78345-8 **DOI:** 10.1088/0264-9381/21/13/014 **Published:** JUL 7 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381

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**Title:** Linear and nonlinear perturbations in dark energy models  
**Author(s):** Amendola, L (Amendola, L)  
**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 10 **Article Number:** 103524 **DOI:** 10.1103/PhysRevD.69.103524 **Published:** MAY 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998

eISSN: 1550-2368

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**Title:** Isotropization of Bianchi class A models with a minimally coupled scalar field and a perfect fluid

**Author(s):** Fay, S (Fay, S)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 6 **Pages:** 1609-1621 **Article Number:** PII S0264-9381(04)71172-7 **DOI:** 10.1088/0264-9381/21/6/020 **Published:** MAR 21 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Scalar fields properties for flat galactic rotation curves

**Author(s):** Fay, S (Fay, S)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 413 **Issue:** 3 **Pages:** 799-805 **DOI:** 10.1051/0004-6361:20031540 **Published:** JAN 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361

**eISSN:** 1432-0746

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**Title:** The state of the cold dark matter models galactic and subgalactic scales

**Author(s):** Tasitsiomi, A (Tasitsiomi, A)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 12 **Issue:** 7 **Pages:** 1157-1196 **DOI:** 10.1142/S0218271803003426 **Published:** AUG 2003

**Language:** English

**Document Type:** Review

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Galactic halos of fluid dark matter

**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)

**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article Number:** 023511 **DOI:** 10.1103/PhysRevD.68.023511 **Published:** JUL 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Symmetries leading to inflation

**Author(s):** Aguirregabiria, JM (Aguirregabiria, JM); Chimento, LP (Chimento, LP); Jakubi, AS (Jakubi, AS); Lazkoz, R (Lazkoz, R)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 8 **Article Number:** 083518 **DOI:** 10.1103/PhysRevD.67.083518 **Published:** APR 15 2003

**Language:** English

**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Quintessence and black holes  
**Author(s):** Kiselev, VV (Kiselev, VV)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 20 **Issue:** 6 **Pages:** 1187-1197 **Article Number:** PII S0264-9381(03)55092-4 **DOI:** 10.1088/0264-9381/20/6/310 **Published:** MAR 21 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381

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**Title:** Numerical evidence for "multiscalar stars"  
**Author(s):** Hawley, SH (Hawley, SH); Choptuik, MW (Choptuik, MW)  
**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 2 **Article Number:** 024010 **DOI:** 10.1103/PhysRevD.67.024010 **Published:** JAN 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Phenomenology of a realistic accelerating universe using tracker fields  
**Author(s):** Johri, VB (Johri, VB)  
**Source:** PRAMANA-JOURNAL OF PHYSICS **Volume:** 59 **Issue:** 3 **Pages:** L553-L561 **DOI:** 10.1007/s12043-002-0053-0 **Published:** SEP 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0304-4289  
**eISSN:** 0973-7111

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**Title:** Inflation, cold dark matter, and the central density problem  
**Author(s):** Zentner, AR (Zentner, AR); Bullock, JS (Bullock, JS)  
**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article Number:** 043003 **DOI:** 10.1103/PhysRevD.66.043003 **Published:** AUG 15 2002  
**Language:** English  
**Document Type:** Review  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Isotropization of the minimally coupled scalar-tensor theory with a massive scalar field and a perfect fluid in the Bianchi type I model  
**Author(s):** Fay, S (Fay, S)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 2 **Pages:** 269-278 **Article Number:** PII S0264-9381(02)27711-4 **DOI:** 10.1088/0264-9381/19/2/307 **Published:** JAN 21 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381

eISSN: 1361-6382

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**Title:** Quintessential halos around galaxies

**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)

**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article**

**Number:** 123528 **DOI:** 10.1103/PhysRevD.64.123528 **Published:** DEC 15 2001

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Dwarf galaxy rotation curves and the core problem of dark matter haloes

**Author(s):** van den Bosch, FC (van den Bosch, FC); Swaters, RA (Swaters, RA)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 325 **Issue:** 3 **Pages:** 1017-1038 **DOI:** 10.1046/j.1365-8711.2001.04456.x **Published:** AUG 11 2001

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Slightly bimetric gravitation

**Author(s):** Pitts, JB (Pitts, JB); Schieve, WC (Schieve, WC)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 33 **Issue:** 8 **Pages:** 1319-

1350 **DOI:** 10.1023/A:1012005508094 **Published:** AUG 2001

**Language:** English

**Document Type:** Review

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** General two-dimensional supergravity from Poisson superalgebras

**Author(s):** Ertl, M (Ertl, M); Kummer, W (Kummer, W); Strobl, T (Strobl, T)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 1 **Article**

**Number:** 042 **Published:** JAN 2001

**Language:** English

**Document Type:** Review

**ISSN:** 1029-8479

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**Title:** Back reaction of a long range force on a Friedmann-Robertson-Walker background

**Author(s):** Brisudova, M (Brisudova, M); Kinney, WH (Kinney, WH)

**Source:** PHYSICAL REVIEW D **Volume:** 62 **Issue:** 10 **Article**

**Number:** 103516 **DOI:** 10.1103/PhysRevD.62.103516 **Published:** NOV 15 2000

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Supermassive boson star at the galactic center? art. no. 104012  
**Author(s):** Torres, DF (Torres, DF); Capozziello, S (Capozziello, S); Lambiase, G (Lambiase, G)  
**Source:** PHYSICAL REVIEW D **Volume:** 62 **Issue:** 10 **Article Number:** 104012 **DOI:** 10.1103/PhysRevD.62.104012 **Published:** NOV 15 2000  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Quintessence arising from exponential potentials  
**Author(s):** Barreiro, T (Barreiro, T); Copeland, EJ (Copeland, EJ); Nunes, NJ (Nunes, NJ)  
**Source:** PHYSICAL REVIEW D **Volume:** 61 **Issue:** 12 **Article Number:** 127301 **DOI:** 10.1103/PhysRevD.61.127301 **Published:** JUN 15 2000  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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93 citas

**Title:** A stabilization mechanism for excited fermion-boson stars  
**Author(s):** Di Giovanni, F (Di Giovanni, Fabrizio); Fakhry, S (Fakhry, Saeed); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Degollado, Juan Carlos); Font, JA (Font, Jose A.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 19 **Article Number:** 194001 **DOI:** 10.1088/1361-6382/ac1b45 **Published:** OCT 7 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Long-wavelength nonlinear perturbations of a complex scalar field  
**Author(s):** Padilla, LE (Padilla, Luis E.); Hidalgo, JC (Carlos Hidalgo, Juan); Nunez, D (Nunez, Dario)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article Number:** 083513 **DOI:** 10.1103/PhysRevD.104.083513 **Published:** OCT 5 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Phases of the Bose-Einstein Condensate Dark Matter Model with Both Two- and Three-Particle Interactions  
**Author(s):** Gavrilik, AM (Gavrilik, Alexandre M.); Nazarenko, AV (Nazarenko, Andriy V.)  
**Source:** UNIVERSE **Volume:** 7 **Issue:** 10 **Article**  
**Number:** 359 **DOI:** 10.3390/universe7100359 **Published:** OCT 2021  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2218-1997

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**Title:** Complex Scalar Field Reheating and Primordial Black Hole production  
**Author(s):** Carrion, K (Carrion, Karim); Hidalgo, JC (Carlos Hidalgo, Juan); Montiel, A (Montiel, Ariadna); Padilla, LE (Padilla, Luis E.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 001 **DOI:** 10.1088/1475-7516/2021/07/001 **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Sound speed in extended Chaplygin fluid  
**Author(s):** Pourhassan, B (Pourhassan, Behnam); Farahani, H (Farahani, Hoda); Upadhyay, S (Upadhyay, Sudhaker)  
**Source:** NEW ASTRONOMY **Volume:** 86 **Article**  
**Number:** 101569 **DOI:** 10.1016/j.newast.2021.101569 **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1384-1076  
**eISSN:** 1384-1092

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**Title:** Self-interacting multistate boson stars  
**Author(s):** Li, HB (Li, Hong-Bo); Zeng, YB (Zeng, Yan-Bo); Song, Y (Song, Yan); Wang, YQ (Wang, Yong-Qiang)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 4 **Article**  
**Number:** 42 **DOI:** 10.1007/JHEP04(2021)042 **Published:** APR 6 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Gravitational waves from binary black hole mergers surrounded by scalar field clouds: Numerical simulations and observational implications  
**Author(s):** Choudhary, S (Choudhary, Sunil); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Gupta, A (Gupta, Anshu); Degollado, JC (Carlos Degollado, Juan); Bose, S (Bose, Sukanta); Font, JA (Font, Jose A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 4 **Article**  
**Number:** 044032 **DOI:** 10.1103/PhysRevD.103.044032 **Published:** FEB 16 2021  
**Language:** English  
**Document Type:** Article



ISSN: 2470-0010  
eISSN: 2470-0029

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**Title:** Collapse of an axion scalar field  
**Author(s):** Chakrabarti, S (Chakrabarti, Soumya)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 81 **Issue:** 2 **Article Number:** 124 **DOI:** 10.1140/epjc/s10052-021-08930-2 **Published:** FEB 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Generalized scalar field cosmologies: a global dynamical systems formulation  
**Author(s):** Leon, G (Leon, Genly); Silva, FOF (Silva, Felipe Orlando Franz)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 1 **Article Number:** 015004 **DOI:** 10.1088/1361-6382/abc095 **Published:** JAN 8 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Merger of galactic cores made of ultralight bosonic dark matter  
**Author(s):** Guzman, FS (Guzman, F. S.); Alvarez-Rios, I (Alvarez-Rios, I); Gonzalez, JA (Gonzalez, J. A.)  
**Source:** REVISTA MEXICANA DE FISICA **Volume:** 67 **Issue:** 1 **Pages:** 75-83 **DOI:** 10.31349/RevMexFis.67.75 **Published:** JAN-FEB 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-001X

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**Title:** Dynamical formation and stability of fermion-boson stars  
**Author(s):** Di Giovanni, F (Di Giovanni, Fabrizio); Fakhry, S (Fakhry, Saeed); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Font, JA (Font, Jose A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 084063 **DOI:** 10.1103/PhysRevD.102.084063 **Published:** OCT 27 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Bose-Einstein condensate dark matter model with three-particle interaction and two-phase structure  
**Author(s):** Gavrilik, AM (Gavrilik, A. M.); Khelashvili, MV (Khelashvili, M., V); Nazarenko, AV (Nazarenko, A., V)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083510 **DOI:** 10.1103/PhysRevD.102.083510 **Published:** OCT 7 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Constraints and cosmography of Lambda CDM in presence of viscosity  
**Author(s):** Herrera-Zamorano, L (Herrera-Zamorano, L.); Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 7 **Article Number:** 637 **DOI:** 10.1140/epjc/s10052-020-8225-y **Published:** JUL 18 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Stability of a modified Jordan-Brans-Dicke theory in the dilatonic frame  
**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos); Abab, LV (Velazquez Abab, Luisberis)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 52 **Issue:** 7 **Article Number:** 71 **DOI:** 10.1007/s10714-020-02718-7 **Published:** JUL 14 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Rotating multistate boson stars  
**Author(s):** Li, HB (Li, Hong-Bo); Sun, S (Sun, Shuo); Hu, TT (Hu, Tong-Tong); Song, Y (Song, Yan); Wang, YQ (Wang, Yong-Qiang)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 4 **Article Number:** 044017 **DOI:** 10.1103/PhysRevD.101.044017 **Published:** FEB 11 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Extended phase-space analysis of the Horava-Lifshitz cosmology  
**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **Article Number:** 746 **DOI:** 10.1140/epjc/s10052-019-7236-z **Published:** SEP 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Selected topics in scalar-tensor theories and beyond  
**Author(s):** Quiros, I (Quiros, Israel)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 28 **Issue:** 7 **Article**  
**Number:** 1930012 **DOI:** 10.1142/S021827181930012X **Published:** MAY 2019  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Oscillation modes of ultralight BEC dark matter cores  
**Author(s):** Guzman, FS (Guzman, F. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 8 **Article**  
**Number:** 083513 **DOI:** 10.1103/PhysRevD.99.083513 **Published:** APR 11 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Cosmological window onto the string axiverse and the supersymmetry breaking scale  
**Author(s):** Visinelli, L (Visinelli, Luca); Vagnozzi, S (Vagnozzi, Sunny)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 6 **Article**  
**Number:** 063517 **DOI:** 10.1103/PhysRevD.99.063517 **Published:** MAR 15 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** On the Necessity of Phantom Fields for Solving the Horizon Problem in Scalar Cosmologies  
**Author(s):** Fermi, D (Fermi, Davide); Gengo, M (Gengo, Massimo); Pizzocchero, L (Pizzocchero, Livio)  
**Source:** UNIVERSE **Volume:** 5 **Issue:** 3 **Article**  
**Number:** 76 **DOI:** 10.3390/universe5030076 **Published:** MAR 11 2019  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2218-1997

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**Title:** Relaxation of structures resulting from head-on mergers of ultralight bosonic dark matter cores  
**Author(s):** Avilez, AA (Avilez, Ana A.); Guzman, FS (Guzman, F. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 4 **Article**  
**Number:** 043542 **DOI:** 10.1103/PhysRevD.99.043542 **Published:** FEB 28 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Head-on collision of multistate ultralight BEC dark matter configurations  
**Author(s):** Guzman, FS (Guzman, F. S.); Avilez, AA (Avilez, Ana A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 11 **Article**  
**Number:** 116003 **DOI:** 10.1103/PhysRevD.97.116003 **Published:** JUN 5 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Bose-Einstein condensate haloes embedded in dark energy  
**Author(s):** Membrado, M (Membrado, M.); Pacheco, AF (Pacheco, A. F.)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 611 **Article**  
**Number:** A81 **DOI:** 10.1051/0004-6361/201731447 **Published:** APR 4 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1432-0746

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**Title:** Non-relativistic limit of thermodynamics of Bose field in a static space-time and Bose-Einstein condensation  
**Author(s):** Akant, L (Akant, Levent); Debir, B (Debir, Birses); Iseri, IC (Iseri, I. Cagri)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 35 **Issue:** 4 **Article**  
**Number:** 045017 **DOI:** 10.1088/1361-6382/aaa0a7 **Published:** FEB 22 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Dilute and dense axion stars  
**Author(s):** Visinelli, L (Visinelli, Luca); Baum, S (Baum, Sebastian); Redondo, J (Redondo, Javier); Freese, K (Freese, Katherine); Wilczek, F (Wilczek, Frank)  
**Source:** PHYSICS LETTERS B **Volume:** 777 **Pages:** 64-72 **DOI:** 10.1016/j.physletb.2017.12.010 **Published:** FEB 10 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Cosmological perturbations of extreme axion in the radiation era  
**Author(s):** Zhang, UH (Zhang, Ui-Han); Chiueh, T (Chiueh, Tzihong)  
**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article**  
**Number:** 063522 **DOI:** 10.1103/PhysRevD.96.063522 **Published:** SEP 25 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Light axion-like dark matter must be present during inflation  
**Author(s):** Visinelli, L (Visinelli, Luca)  
**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 2 **Article**  
**Number:** 023013 **DOI:** 10.1103/PhysRevD.96.023013 **Published:** JUL 27 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Class of Exact Solutions for a Cosmological Model of Unified Gravitational and Quintessence Fields  
**Author(s):** Asenjo, FA (Asenjo, Felipe A.); Hojman, SA (Hojman, Sergio A.)  
**Source:** FOUNDATIONS OF PHYSICS **Volume:** 47 **Issue:** 7 **Pages:** 887-896 **DOI:** 10.1007/s10701-017-0091-6 **Published:** JUL 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0015-9018  
**eISSN:** 1572-9516

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**Title:** Perturbations of ultralight vector field dark matter  
**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article**  
**Number:** 064 **DOI:** 10.1007/JHEP02(2017)064 **Published:** FEB 13 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Time-dependent scalar fields as candidates for dark matter  
**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article**  
**Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Cosmological models in Weyl geometrical scalar-tensor theory  
**Author(s):** Pucheu, ML (Pucheu, M. L.); Alves, FAP (Alves Junior, F. A. P.); Barreto, AB (Barreto, A. B.); Romero, C (Romero, C.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 6 **Article**  
**Number:** 064010 **DOI:** 10.1103/PhysRevD.94.064010 **Published:** SEP 6 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Warm dark matter effects in a spherical collapse model with shear and angular momentum

**Author(s):** Marciu, M (Marciu, Mihai)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 6 **Article**

**Number:** 063514 **DOI:** 10.1103/PhysRevD.93.063514 **Published:** MAR 14 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Cosmological perturbations in coherent oscillating scalar field models

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article**

**Number:** 013 **DOI:** 10.1007/JHEP03(2016)013 **Published:** MAR 3 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Modified Chaplygin gas cosmology with observational constraints

**Author(s):** Singh, JK (Singh, J. K.); Sharma, NK (Sharma, N. K.); Beesham, A (Beesham, A.)

**Source:** APPLIED MATHEMATICS AND COMPUTATION **Volume:** 270 **Pages:** 567-581 **DOI:** 10.1016/j.amc.2015.08.056 **Published:** NOV 1 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0096-3003

**eISSN:** 1873-5649

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**Title:** Quasistationary solutions of self-gravitating scalar fields around collapsing stars

**Author(s):** Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Montero, PJ (Montero, Pedro J.); Font, JA (Font, Jose A.); Mewes, V (Mewes, Vassilios)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 8 **Article**

**Number:** 083001 **DOI:** 10.1103/PhysRevD.92.083001 **Published:** OCT 2 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Quasistationary solutions of self-gravitating scalar fields around black holes

**Author(s):** Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Montero, PJ (Montero, Pedro J.); Font, JA (Font, Jose A.)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 4 **Article**

**Number:** 043005 **DOI:** 10.1103/PhysRevD.91.043005 **Published:** FEB 23 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Some special solutions in Bianchi type VI0 cosmological models with modified chaplygin gas in general relativity

**Author(s):** Katore, SD (Katore, S. D.); Hatkar, SP (Hatkar, S. P.); Bayaskar, SN (Bayaskar, S. N.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 24 **Issue:** 2 **Article**

**Number:** 1550017 **DOI:** 10.1142/S0218271815500170 **Published:** FEB 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Alternative to particle dark matter

**Author(s):** Khoury, J (Khoury, Justin)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 2 **Article**

**Number:** 024022 **DOI:** 10.1103/PhysRevD.91.024022 **Published:** JAN 14 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Cosmological nonlinear structure formation in full general relativity

**Author(s):** Torres, JM (Torres, Jose M.); Alcubierre, M (Alcubierre, Miguel); Diez-Tejedor, A (Diez-Tejedor, Alberto); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 12 **Article**

**Number:** 123002 **DOI:** 10.1103/PhysRevD.90.123002 **Published:** DEC 3 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** A survey of spherically symmetric spacetimes

**Author(s):** Parry, AR (Parry, Alan R.)

**Source:** ANALYSIS AND MATHEMATICAL PHYSICS **Volume:** 4 **Issue:** 4 **Pages:** 333-375 **DOI:** 10.1007/s13324-014-0085-x **Published:** DEC 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1664-2368

**eISSN:** 1664-235X

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**Title:** Single scale factor for the universe from the creation of radiation and matter till the present

**Author(s):** Erdem, R (Erdem, Recai)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 74 **Issue:** 9 **Article Number:** 3066 **DOI:** 10.1140/epjc/s10052-014-3066-1 **Published:** SEP 23 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Universe Described by Variable Modified Chaplygin Gas with Statefinder Diagnostic in General Relativity

**Author(s):** Samanta, GC (Samanta, G. C.)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 53 **Issue:** 6 **Pages:** 1867-1878 **DOI:** 10.1007/s10773-013-1989-1 **Published:** JUN 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Schwarzschild scalar wigs: Spectral analysis and late time behavior

**Author(s):** Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Degollado, Juan Carlos); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Alcubierre, M (Alcubierre, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 083006 **DOI:** 10.1103/PhysRevD.89.083006 **Published:** APR 17 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Dynamical analysis of anisotropic scalar-field cosmologies for a wide range of potentials

**Author(s):** Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Saridakis, EN (Saridakis, Emmanuel N.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 7 **Article Number:** 075018 **DOI:** 10.1088/0264-9381/31/7/075018 **Published:** APR 7 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Asymptotic behavior of a scalar field with an arbitrary potential trapped on a Randall-Sundrum's braneworld: the effect of a negative dark radiation term on a Bianchi I brane

**Author(s):** Escobar, D (Escobar, Dagoberto); Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 349 **Issue:** 1 **Pages:** 575-602 **DOI:** 10.1007/s10509-013-1650-8 **Published:** JAN 2014

**Language:** English



**Document Type:** Article

**ISSN:** 0004-640X

**eISSN:** 1572-946X

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**Title:** Thawing models in the presence of a generalized Chaplygin gas

**Author(s):** del Campo, S (del Campo, Sergio); Fadragas, CR (Fadragas, Carlos R.); Herrera, R (Herrera, Ramon); Leiva, C (Leiva, Carlos); Leon, G (Leon, Genly); Saavedra, J (Saavedra, Joel)

**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 2 **Article**

**Number:** 023532 **DOI:** 10.1103/PhysRevD.88.023532 **Published:** JUL 26 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Mass limits for dark clusters of degenerate fermions

**Author(s):** Membrado, M (Membrado, M.); Pacheco, AF (Pacheco, A. F.)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 551 **Article**

**Number:** A68 **DOI:** 10.1051/0004-6361/201219985 **Published:** MAR 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1432-0746

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**Title:** On the mass of ultra-light bosonic dark matter from galactic dynamics

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan); Bernal, A (Bernal, Argelia); Sanchez-Salcedo, FJ (Sanchez-Salcedo, F. J.); Grebel, EK (Grebel, E. K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

PHYSICS **Issue:** 2 **Article Number:** 011 **DOI:** 10.1088/1475-

7516/2012/02/011 **Published:** FEB 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Spherical nonlinear absorption of cosmological scalar fields onto a black hole

**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.)

**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 2 **Article**

**Number:** 024036 **DOI:** 10.1103/PhysRevD.85.024036 **Published:** JAN 23 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Statefinder Diagnostic for Variable Modified Chaplygin Gas in LRS Bianchi Type I Universe

**Author(s):** Adhav, KS (Adhav, K. S.)

**Source:** ADVANCES IN MATHEMATICAL PHYSICS **Volume:** 2012 **Article**

**Number:** 714350 **DOI:** 10.1155/2012/714350 **Published:** 2012

**Language:** English  
**Document Type:** Article  
**ISSN:** 1687-9120  
**eISSN:** 1687-9139

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**Title:** Kaluza-Klein cosmology with polytropic gas dark energy  
**Author(s):** Adhav, KS (Adhav, K. S.)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 126 **Issue:** 12 **Article Number:** 127 **DOI:** 10.1140/epjp/i2011-11127-4 **Published:** DEC 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Quintessence interacting dark energy and a scalar dark fluid from 5D vacuum  
**Author(s):** Reyes, LM (Reyes, L. M.); Aguilar, JEM (Madriz Aguilar, Jose Edgar)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 28 **Issue:** 21 **Article Number:** 215007 **DOI:** 10.1088/0264-9381/28/21/215007 **Published:** NOV 7 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Are black holes a serious threat to scalar field dark matter models?  
**Author(s):** Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Alcubierre, M (Alcubierre, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)  
**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 8 **Article Number:** 083008 **DOI:** 10.1103/PhysRevD.84.083008 **Published:** OCT 21 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Statefinder diagnostic for variable modified Chaplygin gas in Bianchi type-V universe  
**Author(s):** Adhav, KS (Adhav, K. S.)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 335 **Issue:** 2 **Pages:** 611-617 **DOI:** 10.1007/s10509-011-0773-z **Published:** OCT 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Toward physical cosmology: focus on inhomogeneous geometry and its non-perturbative effects  
**Author(s):** Buchert, T (Buchert, Thomas)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 28 **Issue:** 16 **Article Number:** 164007 **DOI:** 10.1088/0264-9381/28/16/164007 **Published:** AUG 21 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Can noncommutative effects account for the present speed up of the cosmic expansion?

**Author(s):** Obregon, O (Obregon, Octavio); Quiros, I (Quiros, Israel)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article Number:** 044005 **DOI:** 10.1103/PhysRevD.84.044005 **Published:** AUG 2 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Gravitational waves from scalar field accretion

**Author(s):** Nunez, D (Nunez, Dario); Degollado, JC (Carlos Degollado, Juan); Moreno, C (Moreno, Claudia)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 2 **Article Number:** 024043 **DOI:** 10.1103/PhysRevD.84.024043 **Published:** JUL 28 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Scalar field dark matter: behavior around black holes

**Author(s):** Cruz-Osorio, A (Cruz-Osorio, Alejandro); Guzman, FS (Siddhartha Guzman, F.); Lora-Clavijo, FD (Lora-Clavijo, Fabio D.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 029 **DOI:** 10.1088/1475-7516/2011/06/029 **Published:** JUN 2011

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Statefinder diagnostic for modified Chaplygin gas in Bianchi type-V universe

**Author(s):** Adhav, KS (Adhav, K. S.)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 126 **Issue:** 5 **Article Number:** 52 **DOI:** 10.1140/epjp/i2011-11052-6 **Published:** MAY 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Viability of complex self-interacting scalar field as dark matter

**Author(s):** Briscese, F (Briscese, F.)

**Source:** PHYSICS LETTERS B **Volume:** 696 **Issue:** 4 **Pages:** 315-320 **DOI:** 10.1016/j.physletb.2010.12.064 **Published:** FEB 7 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter

**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Multiscale cosmology and structure-emerging dark energy: A plausibility analysis

**Author(s):** Wiegand, A (Wiegand, Alexander); Buchert, T (Buchert, Thomas)

**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 2 **Article Number:** 023523 **DOI:** 10.1103/PhysRevD.82.023523 **Published:** JUL 26 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Multistate boson stars

**Author(s):** Bernal, A (Bernal, A.); Barranco, J (Barranco, J.); Alic, D (Alic, D.); Palenzuela, C (Palenzuela, C.)

**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 4 **Article Number:** 044031 **DOI:** 10.1103/PhysRevD.81.044031 **Published:** FEB 15 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Minimum mass of galaxies from BEC or scalar field dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon); Lim, S (Lim, Sooil)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 007 **DOI:** 10.1088/1475-7516/2010/01/007 **Published:** JAN 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Are galaxies extending?

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** PHYSICS LETTERS B **Volume:** 681 **Issue:** 2 **Pages:** 118-121 **DOI:** 10.1016/j.physletb.2009.10.005 **Published:** OCT 26 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Exact analysis of scaling and dominant attractors beyond the exponential potential

**Author(s):** Fang, W (Fang, Wei); Li, Y (Li, Ying); Zhang, K (Zhang, Kai); Lu, HQ (Lu, Hui-Qing)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 26 **Issue:** 15 **Article Number:** 155005 **DOI:** 10.1088/0264-9381/26/15/155005 **Published:** AUG 7 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Is Dark Matter a BEC or Scalar Field?

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 54 **Issue:** 6 **Special Issue:** SI **Pages:** 2622-2625 **DOI:** 10.3938/jkps.54.2622 **Part:** 1 **Published:** JUN 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0374-4884

**eISSN:** 1976-8524

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**Title:** An emergent universe supported by a nonlinear sigma model

**Author(s):** Beesham, A (Beesham, A.); Chervon, SV (Chervon, S. V.); Maharaj, SD (Maharaj, S. D.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 26 **Issue:** 7 **Article Number:** 075017 **DOI:** 10.1088/0264-9381/26/7/075017 **Published:** APR 7 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Simplified quartessence cosmology

**Author(s):** Lima, JAS (Lima, J. A. S.); Cunha, JV (Cunha, J. V.); Alcaniz, JS (Alcaniz, J. S.)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 31 **Issue:** 3 **Pages:** 233-236 **DOI:** 10.1016/j.astropartphys.2009.01.004 **Published:** APR 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0927-6505

**eISSN:** 1873-2852

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**Title:** A simplified approach for Chaplygin-type cosmologies

**Author(s):** Lima, JAS (Lima, J. A. S.); Alcaniz, JS (Alcaniz, J. S.); Cunha, JV (Cunha, J. V.)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 30 **Issue:** 4 **Pages:** 196-199 **DOI:** 10.1016/j.astropartphys.2008.09.004 **Published:** NOV 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0927-6505

**eISSN:** 1873-2852

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**Title:** Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models

**Author(s):** Pun, CSJ (Pun, C. S. J.); Gergely, LA (Gergely, L. A.); Mak, MK (Mak, M. K.); Kovacs, Z (Kovacs, Z.); Szabo, GM (Szabo, G. M.); Harko, T (Harko, T.)

**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 6 **Article Number:** 063528 **DOI:** 10.1103/PhysRevD.77.063528 **Published:** MAR 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Bianchi type I cosmologies with the dark matter in the background of dark energy

**Author(s):** Bandyopadhyay, T (Bandyopadhyay, Tanwi); Chakraborty, NC (Chakraborty, Narayan Chandra); Chakraborty, S (Chakraborty, Subenoy)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 16 **Issue:** 11 **Pages:** 1761-1768 **DOI:** 10.1142/S0218271807011061 **Published:** NOV 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Challenging the cosmological constant

**Author(s):** Kaloper, N (Kaloper, Nemanja)

**Source:** PHYSICS LETTERS B **Volume:** 653 **Issue:** 2-4 **Pages:** 109-115 **DOI:** 10.1016/j.physletb.2007.07.061 **Published:** SEP 30 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Dynamics of dark energy

**Author(s):** Copeland, EJ (Copeland, Edmund J.); Sami, M (Sami, M.); Tsujikawa, S (Tsujikawa, Shinji)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 15 **Issue:** 11 **Pages:** 1753-1935 **DOI:** 10.1142/S021827180600942X **Published:** NOV 2006

**Language:** English  
**Document Type:** Review  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Scalar field dark matter: Head-on interaction between two structures  
**Author(s):** Bernal, A (Bernal, Argelia); Guzman, FS (Guzman, F. Siddhartha)  
**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 10 **Article Number:** 103002 **DOI:** 10.1103/PhysRevD.74.103002 **Published:** NOV 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Scalar field dark matter: Nonspherical collapse and late-time behavior  
**Author(s):** Bernal, A (Bernal, Argelia); Guzman, FS (Guzman, F. Siddhartha)  
**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 6 **Article Number:** 063504 **DOI:** 10.1103/PhysRevD.74.063504 **Published:** SEP 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Chaplygin gas dominated anisotropic brane world cosmological models  
**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)  
**Source:** PHYSICAL REVIEW D **Volume:** 71 **Issue:** 10 **Article Number:** 104022 **DOI:** 10.1103/PhysRevD.71.104022 **Published:** MAY 2005  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Measuring the chaplygin gas equation of state from angular and luminosity distances  
**Author(s):** Alcaniz, JS (Alcaniz, JS); Lima, JAS (Lima, JAS)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 618 **Issue:** 1 **Pages:** 16-22 **DOI:** 10.1086/425860 **Part:** 1 **Published:** JAN 1 2005  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Generalized Chaplygin gas as a unified scenario of dark matter/energy: Observational constraints  
**Author(s):** Zhu, ZH (Zhu, ZH)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 423 **Issue:** 2 **Pages:** 421-426 **DOI:** 10.1051/0004-6361:20040236 **Published:** AUG 2004

**Language:** English  
**Document Type:** Article  
**ISSN:** 1432-0746

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**Title:** Cosmological constraints on Chaplygin gas dark energy from galaxy cluster x-ray and supernova data  
**Author(s):** Cunha, JV (Cunha, JV); Alcaniz, JS (Alcaniz, JS); Lima, JAS (Lima, JAS)  
**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 8 **Article Number:** 083501 **DOI:** 10.1103/PhysRevD.69.083501 **Published:** APR 15 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Constraints on Chaplygin quartessence from the CLASS gravitational lens statistics and supernova data  
**Author(s):** Dev, A (Dev, A); Jain, D (Jain, D); Alcaniz, JS (Alcaniz, JS)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 417 **Issue:** 3 **Pages:** 847-852 **DOI:** 10.1051/0004-6361:20035627 **Published:** APR 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-6361  
**eISSN:** 1432-0746

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**Title:** Isotropization of Bianchi class A models with a minimally coupled scalar field and a perfect fluid  
**Author(s):** Fay, S (Fay, S)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 6 **Pages:** 1609-1621 **Article Number:** PII S0264-9381(04)71172-7 **DOI:** 10.1088/0264-9381/21/6/020 **Published:** MAR 21 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Galactic halos of fluid dark matter  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article Number:** 023511 **DOI:** 10.1103/PhysRevD.68.023511 **Published:** JUL 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Bulk viscous Brans-Dicke cosmological models and late-time acceleration of the universe  
**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)



**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 12 **Issue:** 5 **Pages:** 925-939 **DOI:** 10.1142/S021827180300330X **Published:** MAY 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Symmetries leading to inflation

**Author(s):** Aguirregabiria, JM (Aguirregabiria, JM); Chimento, LP (Chimento, LP); Jakubi, AS (Jakubi, AS); Lazkoz, R (Lazkoz, R)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 8 **Article**

**Number:** 083518 **DOI:** 10.1103/PhysRevD.67.083518 **Published:** APR 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** High-redshift objects and the generalized Chaplygin gas

**Author(s):** Alcaniz, JS (Alcaniz, JS); Jain, D (Jain, D); Dev, A (Dev, A)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 4 **Article**

**Number:** 043514 **DOI:** 10.1103/PhysRevD.67.043514 **Published:** FEB 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Modeling quintessential inflation

**Author(s):** Dimopoulos, K (Dimopoulos, K); Valle, JWF (Valle, JWF)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 18 **Issue:** 3 **Pages:** 287-306 **Article**

**Number:** PII S0927-6505(02)00115-9 **DOI:** 10.1016/S0927-6505(02)00115-9 **Published:** DEC 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0927-6505

**eISSN:** 1873-2852

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**Title:** Brans-Dicke cosmology with a scalar field potential

**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)

**Source:** EUROPHYSICS LETTERS **Volume:** 60 **Issue:** 1 **Pages:** 155-161 **DOI:** 10.1209/epl/i2002-00664-2 **Published:** OCT 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0295-5075

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**Title:** Quintessence and cosmic acceleration

**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 11 **Issue:** 9 **Pages:** 1389-  
1397 **DOI:** 10.1142/S0218271802002220 **Published:** OCT 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Generalized Chaplygin gas, accelerated expansion, and dark-energy-matter unification  
**Author(s):** Bento, MC (Bento, MC); Bertolami, O (Bertolami, O); Sen, AA (Sen, AA)  
**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article**  
**Number:** 043507 **DOI:** 10.1103/PhysRevD.66.043507 **Published:** AUG 15 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Planck-scale quintessence and the physics of structure formation  
**Author(s):** Skordis, C (Skordis, C); Albrecht, A (Albrecht, A)  
**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article**  
**Number:** 043523 **DOI:** 10.1103/PhysRevD.66.043523 **Published:** AUG 15 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Scaling solutions and reconstruction of scalar field potentials  
**Author(s):** Rubano, C (Rubano, C); Barrow, JD (Barrow, JD)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article**  
**Number:** 127301 **DOI:** 10.1103/PhysRevD.64.127301 **Published:** DEC 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Back reaction of a long range force on a Friedmann-Robertson-Walker background  
**Author(s):** Brisudova, M (Brisudova, M); Kinney, WH (Kinney, WH)  
**Source:** PHYSICAL REVIEW D **Volume:** 62 **Issue:** 10 **Article**  
**Number:** 103516 **DOI:** 10.1103/PhysRevD.62.103516 **Published:** NOV 15 2000  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
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**Title:** Gravitational lensing study of cold dark matter-led galactic halo  
**Author(s):** Ghosh, S (Ghosh, Samrat); Bhadra, A (Bhadra, Arunava); Mukhopadhyay, A (Mukhopadhyay, Amitabha)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 30 **Issue:** 12 **Article**  
**Number:** 2150089 **DOI:** 10.1142/S0218271821500899 **Published:** SEP 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** On dark matter as a geometric effect in the galactic halo  
**Author(s):** Camci, U (Camci, Ugur)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 366 **Issue:** 9 **Article**  
**Number:** 91 **DOI:** 10.1007/s10509-021-03997-5 **Published:** SEP 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** A new model for dark matter fluid sphere  
**Author(s):** Das, S (Das, Shyam); Sarkar, N (Sarkar, Nayan); Mondal, M (Mondal, Monimala); Rahaman, F (Rahaman, Farook)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 35 **Issue:** 34 **Article**  
**Number:** 2050280 **DOI:** 10.1142/S0217732320502806 **Published:** NOV 10 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Static Solutions in 5D Brans-Dicke Gravity Coupled with SO(3) Scalar Fields  
**Author(s):** Lee, TH (Lee, Tae Hoon)  
**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 77 **Issue:** 9 **Pages:** 748-753 **DOI:** 10.3938/jkps.77.748 **Published:** NOV 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0374-4884  
**eISSN:** 1976-8524

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**Title:** Constraints and cosmography of Lambda CDM in presence of viscosity  
**Author(s):** Herrera-Zamorano, L (Herrera-Zamorano, L.); Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 7 **Article**  
**Number:** 637 **DOI:** 10.1140/epjc/s10052-020-8225-y **Published:** JUL 18 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Cosmological test on viscous bulk models using Hubble parameter measurements and type Ia supernovae data

**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **Article Number:** 751 **DOI:** 10.1140/epjc/s10052-019-7264-8 **Published:** SEP 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Galactic halo traversable wormhole solutions in  $f(G, T)$  gravity

**Author(s):** Sharif, M (Sharif, M.); Ikram, A (Ikram, Ayesha)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 27 **Issue:** 16 **Article**

**Number:** 1950009 **DOI:** 10.1142/S0218271819500093 **Published:** DEC 2018

**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Supplying dark energy from scalar field dark matter

**Author(s):** Gogberashvili, M (Gogberashvili, Merab); Sakharov, A (Sakharov, Alexander)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 27 **Issue:** 9 **Article**

**Number:** 1850100 **DOI:** 10.1142/S0218271818501006 **Published:** JUL 2018

**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties

**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 27 **Issue:** 3 **Article**

**Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018

**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** On galaxy rotation curves from a continuum mechanics approach to modified gravity

**Author(s):** Bohmer, CG (Bohmer, Christian G.); Tamanini, N (Tamanini, Nicola); Wright, M (Wright, Matthew)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 27 **Issue:** 2 **Article**

**Number:** 1850007 **DOI:** 10.1142/S0218271818500074 **Published:** JAN 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Cosmological perturbations of extreme axion in the radiation era

**Author(s):** Zhang, UH (Zhang, Ui-Han); Chiueh, T (Chiueh, Tzihong)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article**

**Number:** 063522 **DOI:** 10.1103/PhysRevD.96.063522 **Published:** SEP 25 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Bose-Einstein-condensed scalar field dark matter and the gravitational wave background from inflation: New cosmological constraints and its detectability by LIGO

**Author(s):** Li, BH (Li, Bohua); Shapiro, PR (Shapiro, Paul R.); Rindler-Daller, T (Rindler-Daller, Tanja)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article**

**Number:** 063505 **DOI:** 10.1103/PhysRevD.96.063505 **Published:** SEP 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Sourcing dark matter and dark energy from alpha-attractors

**Author(s):** Mishra, SS (Mishra, Swagat S.); Sahni, V (Sahni, Varun); Shtanov, Y (Shtanov, Yuri)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

**PHYSICS Issue:** 6 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2017/06/045 **Published:** JUN 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** A new recipe for Lambda CDM

**Author(s):** Sahni, V (Sahni, Varun); Sen, AA (Sen, Anjan A.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 77 **Issue:** 4 **Article**

**Number:** 225 **DOI:** 10.1140/epjc/s10052-017-4796-7 **Published:** APR 10 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

eISSN: 1434-6052

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**Title:** Time-dependent scalar fields as candidates for dark matter

**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article**

**Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Scalar field with the source in the form of the stress-energy tensor trace as a dark energy model

**Author(s):** Dudko, I (Dudko, I. G.); Vyblyi, Y (Vyblyi, Yu. P.)

**Source:** GRAVITATION & COSMOLOGY **Volume:** 22 **Issue:** 4 **Pages:** 368-373 **DOI:** 10.1134/S020228931604006X **Published:** OCT 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0202-2893

**eISSN:** 1995-0721

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**Title:** Mass decomposition of SLACS lens galaxies in Weyl conformal gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, RN (Izmailov, Ramil N.); Nandi, KK (Nandi, Kamal K.)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 12 **Article**

**Number:** 124070 **DOI:** 10.1103/PhysRevD.93.124070 **Published:** JUN 28 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Revisiting perfect fluid dark matter: Observational constraints from our galaxy

**Author(s):** Potapov, AA (Potapov, Alexander A.); Garipova, GM (Garipova, Guzel M.); Nandi, KK (Nandi, Kamal K.)

**Source:** PHYSICS LETTERS B **Volume:** 753 **Pages:** 140-

**146 DOI:** 10.1016/j.physletb.2015.11.057 **Published:** FEB 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Galactic space-times in modified theories of gravity

**Author(s):** Dey, D (Dey, Dipanjan); Bhattacharya, K (Bhattacharya, Kaushik); Sarkar, T (Sarkar, Tapobrata)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 9 **Article**

**Number:** 103 **DOI:** 10.1007/s10714-015-1945-x **Published:** SEP 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Constraint on dark matter central density in the Eddington inspired Born-Infeld (EiBI) gravity with input from Weyl gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, R (Izmailov, Ramil); Mikolaychuk, O (Mikolaychuk, Olga); Mikolaychuk, N (Mikolaychuk, Nikolay); Ghosh, M (Ghosh, Mithun); Nandi, KK (Nandi, Kamal K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 018 **DOI:** 10.1088/1475-7516/2015/07/018 **Published:** JUL 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Galactic Rotation Curves and Strange Quark Matter with Observational Constraints

**Author(s):** Kalam, M (Kalam, M.); Rahaman, F (Rahaman, F.); Hossein, SM (Hossein, Sk. M.); Naskar, J (Naskar, J.)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 54 **Issue:** 5 **Pages:** 1661-1670 **DOI:** 10.1007/s10773-014-2367-3 **Published:** MAY 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Small scale structures in coupled scalar field dark matter

**Author(s):** Beyer, J (Beyer, J.); Wetterich, C (Wetterich, C.)

**Source:** PHYSICS LETTERS B **Volume:** 738 **Pages:** 418-423 **DOI:** 10.1016/j.physletb.2014.10.012 **Published:** NOV 10 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Possible features of galactic halo with electric field and observational constraints

**Author(s):** Chakraborty, K (Chakraborty, Koushik); Rahaman, F (Rahaman, Farook); Ray, S (Ray, Saibal); Nandi, A (Nandi, Arka); Islam, N (Islam, Nasarul)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 10 **Article Number:** 1807 **DOI:** 10.1007/s10714-014-1807-y **Published:** OCT 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** An  $f(R)$  model for dark matter: rotation curves and gravitational lensing

**Author(s):** Shojai, F (Shojai, F.); Shojai, A (Shojai, A.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 4 **Article Number:** 1704 **DOI:** 10.1007/s10714-014-1704-4 **Published:** APR 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Dark matter density profile and galactic metric in Eddington-inspired Born-Infeld gravity

**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.); Mak, MK (Mak, M. K.); Sushkov, SV (Sushkov, Sergey V.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 29 **Issue:** 9 **Article Number:** 1450049 **DOI:** 10.1142/S0217732314500497 **Published:** MAR 21 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Possible existence of wormholes in the galactic halo region

**Author(s):** Rahaman, F (Rahaman, Farook); Kuhfittig, PKF (Kuhfittig, P. K. F.); Ray, S (Ray, Saibal); Islam, N (Islam, Nasarul)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 74 **Issue:** 2 **Article Number:** 2750 **DOI:** 10.1140/epjc/s10052-014-2750-5 **Published:** FEB 12 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

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**Title:** A New Proposal for Galactic Dark Matter: Effect of  $f(T)$  Gravity

**Author(s):** Rahaman, F (Rahaman, Farook); Biswas, R (Biswas, Ritabrata); Fatima, HI (Fatima, Hafiza Ismat); Islam, N (Islam, Nasarul)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 53 **Issue:** 2 **Pages:** 370-379 **DOI:** 10.1007/s10773-013-1817-7 **Published:** FEB 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Astrophysics of Bertrand space-times

**Author(s):** Dey, D (Dey, Dipanjan); Bhattacharya, K (Bhattacharya, Kaushik); Sarkar, T (Sarkar, Tapobrata)

**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 8 **Article Number:** 083532 **DOI:** 10.1103/PhysRevD.88.083532 **Published:** OCT 28 2013

**Language:** English

**Document Type:** Article



**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** No-go theorem for static scalar field dark matter halos with no Noether charges  
**Author(s):** Diez-Tejedor, A (Diez-Tejedor, Alberto); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)  
**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 6 **Article**  
**Number:** 067302 **DOI:** 10.1103/PhysRevD.88.067302 **Published:** SEP 10 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Numerical simulations of single and binary black holes in scalar-tensor theories: Circumventing the no-hair theorem  
**Author(s):** Berti, E (Berti, Emanuele); Cardoso, V (Cardoso, Vitor); Gualtieri, L (Gualtieri, Leonardo); Horbatsch, M (Horbatsch, Michael); Sperhake, U (Sperhake, Ulrich)  
**Source:** PHYSICAL REVIEW D **Volume:** 87 **Issue:** 12 **Article**  
**Number:** 124020 **DOI:** 10.1103/PhysRevD.87.124020 **Published:** JUN 18 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Galactic dark matter in the phantom field  
**Author(s):** Li, MH (Li, Ming-Hsun); Yang, KC (Yang, Kwei-Chou)  
**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 12 **Article**  
**Number:** 123015 **DOI:** 10.1103/PhysRevD.86.123015 **Published:** DEC 20 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Weyl fluid dark matter model tested on the galactic scale by weak gravitational lensing  
**Author(s):** Wong, KC (Wong, K. C.); Harko, T (Harko, T.); Cheng, KS (Cheng, K. S.); Gergely, LA (Gergely, L. A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 4 **Article**  
**Number:** 044038 **DOI:** 10.1103/PhysRevD.86.044038 **Published:** AUG 23 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Quark matter as dark matter in modeling galactic halo

**Author(s):** Rahaman, F (Rahaman, Farook); Kuhfittig, PKF (Kuhfittig, P. K. F.); Amin, R (Amin, Ruhul); Mandal, G (Mandal, Gurudas); Ray, S (Ray, Saibal); Islam, N (Islam, Nasarul)

**Source:** PHYSICS LETTERS B **Volume:** 714 **Issue:** 2-5 **Pages:** 131-135 **DOI:** 10.1016/j.physletb.2012.07.003 **Published:** AUG 14 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Modeling by autonomous Hamiltonian system: fixing the sign of a parameter

**Author(s):** Bhattacharya, A (Bhattacharya, A.); Bagchi, B (Bagchi, B.); Garipova, G (Garipova, G.); Isaev, R (Isaev, R.); Potapov, AA (Potapov, A. A.); Nandi, KK (Nandi, K. K.)

**Source:** INDIAN JOURNAL OF PHYSICS **Volume:** 86 **Issue:** 6 **Pages:** 463-469 **DOI:** 10.1007/s12648-012-0075-5 **Published:** JUN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0973-1458

**eISSN:** 0974-9845

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**Title:** Galactic rotation curves inspired by a noncommutative-geometry background

**Author(s):** Rahaman, F (Rahaman, F.); Kuhfittig, PKF (Kuhfittig, Peter K. F.); Chakraborty, K (Chakraborty, K.); Usmani, AA (Usmani, A. A.); Ray, S (Ray, Saibal)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 44 **Issue:** 4 **Pages:** 905-916 **DOI:** 10.1007/s10714-011-1320-5 **Published:** APR 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Quintessence interacting dark energy and a scalar dark fluid from 5D vacuum

**Author(s):** Reyes, LM (Reyes, L. M.); Aguilar, JEM (Madriz Aguilar, Jose Edgar)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 28 **Issue:** 21 **Article Number:** 215007 **DOI:** 10.1088/0264-9381/28/21/215007 **Published:** NOV 7 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Modeling Galactic Halos with Predominantly Quintessential Matter

**Author(s):** Rahaman, F (Rahaman, F.); Kuhfittig, PKF (Kuhfittig, Peter K. F.); Chakraborty, K (Chakraborty, K.); Kalam, M (Kalam, M.); Hossain, D (Hossain, D.)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 50 **Issue:** 9 **Pages:** 2655-2665 **DOI:** 10.1007/s10773-011-0761-7 **Published:** SEP 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Solving the cusp-core problem with a novel scalar field dark matter

**Author(s):** Su, KY (Su, Kung-Yi); Chen, PS (Chen, Pisin)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 016 **DOI:** 10.1088/1475-7516/2011/08/016 **Published:** AUG 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Galactic rotation curves in brane world models

**Author(s):** Gergely, LA (Gergely, L. A.); Harko, T (Harko, T.); Dworknik, M (Dworknik, M.); Kupi, G (Kupi, G.); Keresztes, Z (Keresztes, Z.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 415 **Issue:** 4 **Pages:** 3275-3290 **DOI:** 10.1111/j.1365-2966.2011.18941.x **Published:** AUG 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Gravitational lens optical scalars in terms of energy-momentum distributions

**Author(s):** Gallo, E (Gallo, Emanuel); Moreschi, OM (Moreschi, Osvaldo M.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 8 **Article Number:** 083007 **DOI:** 10.1103/PhysRevD.83.083007 **Published:** APR 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Self-gravitating system made of axions

**Author(s):** Barranco, J (Barranco, J.); Bernal, A (Bernal, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 4 **Article Number:** 043525 **DOI:** 10.1103/PhysRevD.83.043525 **Published:** FEB 23 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Perfect fluid dark matter

**Author(s):** Rahaman, F (Rahaman, F.); Nandi, KK (Nandi, K. K.); Bhadra, A (Bhadra, A.); Kalam, M (Kalam, M.); Chakraborty, K (Chakraborty, K.)

**Source:** PHYSICS LETTERS B **Volume:** 694 **Issue:** 1 **Pages:** 10-15 **DOI:** 10.1016/j.physletb.2010.09.038 **Published:** OCT 25 2010

**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Minimum mass of galaxies from BEC or scalar field dark matter  
**Author(s):** Lee, JW (Lee, Jae-Weon); Lim, S (Lim, Sooil)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 007 **DOI:** 10.1088/1475-7516/2010/01/007 **Published:** JAN 2010

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Features of galactic halo in a brane world model and observational constraints  
**Author(s):** Nandi, KK (Nandi, K. K.); Filippov, AI (Filippov, A. I.); Rahaman, F (Rahaman, F.); Ray, S (Ray, Saibal); Usmani, AA (Usmani, A. A.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 399 **Issue:** 4 **Pages:** 2079-2087 **DOI:** 10.1111/j.1365-2966.2009.15399.x **Published:** NOV 11 2009

**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Remarks on the spherical scalar field halo in galaxies  
**Author(s):** Nandi, KK (Nandi, Kamal K.); Valitov, I (Valitov, Ildar); Migranov, NG (Migranov, Nail G.)  
**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 4 **Article Number:** 047301 **DOI:** 10.1103/PhysRevD.80.047301 **Published:** AUG 2009

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** CONICAL THIN SHELL WORMHOLE FROM GLOBAL MONOPOLE: A THEORETICAL CONSTRUCTION  
**Author(s):** Rahaman, F (Rahaman, F.); Kalam, M (Kalam, M.); Rahman, KA (Rahman, K. A.)  
**Source:** ACTA PHYSICA POLONICA B **Volume:** 40 **Issue:** 6 **Pages:** 1575-1589 **Published:** JUN 2009

**Language:** English  
**Document Type:** Article  
**ISSN:** 0587-4254  
**eISSN:** 1509-5770

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**Title:** Galactic rotation curves and brane-world models  
**Author(s):** Rahaman, F (Rahaman, F.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.); Usmani, AA (Usmani, A. A.); Ray, S (Ray, Saibal)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 389 **Issue:** 1 **Pages:** 27-33 **DOI:** 10.1111/j.1365-2966.2008.13559.x **Published:** SEP 1 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Dark matter as a geometric effect in  $f(R)$  gravity  
**Author(s):** Bohmer, CG (Boehmer, Christian G.); Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.)  
**Source:** ASTROPARTICLE PHYSICS **Volume:** 29 **Issue:** 6 **Pages:** 386-392 **DOI:** 10.1016/j.astropartphys.2008.04.003 **Published:** JUL 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0927-6505  
**eISSN:** 1873-2852

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**Title:** Equation of state for neutralino star as a form of cold dark matter  
**Author(s):** Ren, J (Ren Jie); Li, XQ (Li Xue-Qian); Shen, H (Shen Hong)  
**Source:** COMMUNICATIONS IN THEORETICAL PHYSICS **Volume:** 49 **Issue:** 1 **Pages:** 212-216 **Published:** JAN 15 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0253-6102  
**eISSN:** 1572-9494

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**Title:** Higgs scalar-tensor theory for gravity and the flat rotation curves of spiral galaxies  
**Author(s):** Bezares-Roder, NM (Bezares-Roder, Nils M.); Dehnen, H (Dehnen, Heinz)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 39 **Issue:** 8 **Pages:** 1259-1277 **DOI:** 10.1007/s10714-007-0449-8 **Published:** AUG 2007  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701

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**Title:** Galactic dark matter as a bulk effect on the brane  
**Author(s):** Bohmer, CG (Bohmer, C. G.); Harko, T (Harko, T.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 24 **Issue:** 13 **Pages:** 3191-3209 **DOI:** 10.1088/0264-9381/24/13/004 **Published:** JUL 7 2007  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Can dark matter be a Bose-Einstein condensate?

**Author(s):** Bohmer, CG (Bohmer, C. G.); Harko, T (Harko, T.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 025 **DOI:** 10.1088/1475-7516/2007/06/025 **Published:** JUN 2007

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Combining rotation curves and gravitational lensing: how to measure the equation of state of dark matter in the galactic halo

**Author(s):** Faber, T (Faber, Tristan); Visser, M (Visser, Matt)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 372 **Issue:** 1 **Pages:** 136-142 **DOI:** 10.1111/j.1365-2966.2006.10845.x **Published:** OCT 11 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Homogeneous scalar field and the wet dark sides of the universe

**Author(s):** Diez-Tejedor, A (Diez-Tejedor, Alberto); Feinstein, A (Feinstein, Alexander)

**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 2 **Article Number:** 023530 **DOI:** 10.1103/PhysRevD.74.023530 **Published:** JUL 2006

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Fitting non-minimally coupled scalar models to Gold SnIa dataset

**Author(s):** Luo, MX (Luo, MX); Su, QP (Su, QP)

**Source:** PHYSICS LETTERS B **Volume:** 626 **Pages:** 7-14 **DOI:** 10.1016/j.physletb.2005.08.050 **Published:** OCT 20 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Isotropisation of flat homogeneous Bianchi type I model with a non minimally coupled and massive scalar field

**Author(s):** Fay, S (Fay, S)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 37 **Issue:** 7 **Pages:** 1233-1253 **DOI:** 10.1007/s10714-005-0107-y **Published:** JUL 2005

**Language:** English

**Document Type:** Article

ISSN: 0001-7701

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**Title:** Oscillatons formed by nonlinear gravity

**Author(s):** Obregon, O (Obregon, O); Urena-Lopez, LA (Urena-Lopez, LA); Schunck, FE (Schunck, FE)

**Source:** PHYSICAL REVIEW D **Volume:** 72 **Issue:** 2 **Article Number:** 024004 **DOI:** 10.1103/PhysRevD.72.024004 **Published:** JUL 2005

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Vector field and rotational curves in dark galactic halos

**Author(s):** Kiselev, VV (Kiselev, VV)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 22 **Issue:** 3 **Pages:** 541-557 **DOI:** 10.1088/0264-9381/22/3/007 **Published:** FEB 7 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Cosmic string spacetime in dilaton gravity and flat rotation curves

**Author(s):** Lee, TH (Lee, TH)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 19 **Issue:** 39 **Pages:** 2929-2940 **DOI:** 10.1142/S0217732304016251 **Published:** DEC 21 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Bose-Einstein condensation, dark matter and acoustic peaks

**Author(s):** Ferrer, F (Ferrer, F); Grifols, JA (Grifols, JA)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 12 **Article Number:** 012 **DOI:** 10.1088/1475-7516/2004/12/012 **Published:** DEC 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Phantom energy mediates a long-range repulsive force

**Author(s):** Amendola, L (Amendola, L)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 93 **Issue:** 18 **Article Number:** 181102 **DOI:** 10.1103/PhysRevLett.93.181102 **Published:** OCT 29 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

eISSN: 1079-7114

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**Title:** Vector field as a quintessence partner

**Author(s):** Kiselev, VV (Kiselev, VV)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 13 **Pages:** 3323-3335 **Article Number:** PII S0264-9381(04)78345-8 **DOI:** 10.1088/0264-9381/21/13/014 **Published:** JUL 7 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Scalar-tensor gravity coupled to a global monopole and flat rotation curves

**Author(s):** Lee, TH (Lee, TH); Lee, BJ (Lee, BJ)

**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 12 **Article Number:** 127502 **DOI:** 10.1103/PhysRevD.69.127502 **Published:** JUN 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Nonlinear perturbations in scalar-tensor cosmologies

**Author(s):** Perrotta, F (Perrotta, F); Matarrese, S (Matarrese, S); Pietroni, M (Pietroni, M); Schimd, C (Schimd, C)

**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 8 **Article Number:** 084004 **DOI:** 10.1103/PhysRevD.69.084004 **Published:** APR 15 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Galactic potentials

**Author(s):** Lake, K (Lake, K)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 92 **Issue:** 5 **Article Number:** 051101 **DOI:** 10.1103/PhysRevLett.92.051101 **Published:** FEB 6 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Scalar fields properties for flat galactic rotation curves

**Author(s):** Fay, S (Fay, S)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 413 **Issue:** 3 **Pages:** 799-805 **DOI:** 10.1051/0004-6361:20031540 **Published:** JAN 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361



eISSN: 1432-0746

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**Title:** Dark energy and dark matter from an inhomogeneous dilaton

**Author(s):** Susperregi, M (Susperregi, M)

**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 12 **Article**

**Number:** 123509 **DOI:** 10.1103/PhysRevD.68.123509 **Published:** DEC 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Galactic halos of fluid dark matter

**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)

**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article**

**Number:** 023511 **DOI:** 10.1103/PhysRevD.68.023511 **Published:** JUL 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Modeling galaxy halos using dark matter with pressure

**Author(s):** Bharadwaj, S (Bharadwaj, S); Kar, S (Kar, S)

**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article**

**Number:** 023516 **DOI:** 10.1103/PhysRevD.68.023516 **Published:** JUL 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Quintessence and black holes

**Author(s):** Kiselev, VV (Kiselev, VV)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 20 **Issue:** 6 **Pages:** 1187-1197 **Article Number:** PII S0264-9381(03)55092-4 **DOI:** 10.1088/0264-9381/20/6/310 **Published:** MAR 21 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Scalar soliton in Newtonian gravity modelling dark matter halos

**Author(s):** Mielke, EW (Mielke, EW); Schunck, FE (Schunck, FE); Peralta, HH (Peralta, HH)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 34 **Issue:** 11 **Pages:** 1919-1930 **DOI:** 10.1023/A:1020728411087 **Published:** NOV 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

eISSN: 1572-9532

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**Title:** Supermassive black holes in scalar field galaxy halos

**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA); Liddle, AR (Liddle, AR)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 8 **Article**

**Number:** 083005 **DOI:** 10.1103/PhysRevD.66.083005 **Published:** OCT 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Is there a field-theoretic explanation for precursor biopolymers?

**Author(s):** Rosen, G (Rosen, G)

**Source:** ORIGINS OF LIFE AND EVOLUTION OF THE BIOSPHERE **Volume:** 32 **Issue:** 4 **Pages:** 299-

302 **DOI:** 10.1023/A:1020552628948 **Published:** AUG 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0169-6149

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**Title:** Nontopological scalar soliton as dark matter halo

**Author(s):** Mielke, EW (Mielke, EW); Schunck, FE (Schunck, FE)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 2 **Article**

**Number:** 023503 **DOI:** 10.1103/PhysRevD.66.023503 **Published:** JUL 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** On the dark energy clustering properties

**Author(s):** Perrotta, F (Perrotta, F); Baccigalupi, C (Baccigalupi, C)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 12 **Article**

**Number:** 123505 **DOI:** 10.1103/PhysRevD.65.123505 **Published:** JUN 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Oscillatons revisited

**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 10 **Pages:** 2617-2632 **Article Number:** PII S0264-9381(02)29879-2 **DOI:** 10.1088/0264-

9381/19/10/307 **Published:** MAY 21 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Quintessential halos around galaxies  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article Number:** 123528 **DOI:** 10.1103/PhysRevD.64.123528 **Published:** DEC 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Alternative approach to the galactic dark matter problem  
**Author(s):** Nucamendi, U (Nucamendi, U); Salgado, M (Salgado, M); Sudarsky, D (Sudarsky, D)  
**Source:** PHYSICAL REVIEW D **Volume:** 63 **Issue:** 12 **Article Number:** 125016 **DOI:** 10.1103/PhysRevD.63.125016 **Published:** JUN 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Supermassive boson star at the galactic center? art. no. 104012  
**Author(s):** Torres, DF (Torres, DF); Capozziello, S (Capozziello, S); Lambiase, G (Lambiase, G)  
**Source:** PHYSICAL REVIEW D **Volume:** 62 **Issue:** 10 **Article Number:** 104012 **DOI:** 10.1103/PhysRevD.62.104012 **Published:** NOV 15 2000  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
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10 citas

**Title:** De-singularizing the extremal GMGHS black hole via higher derivatives corrections  
**Author(s):** Herdeiro, C (Herdeiro, Carlos); Radu, E (Radu, Eugen); Uzawa, K (Uzawa, Kunihito)  
**Source:** PHYSICS LETTERS B **Volume:** 818 **Article Number:** 136357 **DOI:** 10.1016/j.physletb.2021.136357 **Published:** JUL 10 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Scalar field solutions for anisotropic universe models in various gravitation theories  
**Author(s):** Kabak, A (Kabak, Ali); Aygun, S (Aygun, Sezgin)

**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 17 **Issue:** 2 **Article**  
**Number:** 2050025 **DOI:** 10.1142/S0219887820500255 **Published:** FEB 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0219-8878  
**eISSN:** 1793-6977

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**Title:** Massive and massless scalar field models for Kaluza-Klein universe in  $f(R, T)$  gravity  
**Author(s):** Aktas, C (Aktas, Can)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 34 **Issue:** 11 **Article**  
**Number:** 1950066 **DOI:** 10.1142/S0217732319500664 **Published:** APR 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Scalar Field Cosmology in  $f(R, T)$  Gravity with Lambda  
**Author(s):** Aygun, S (Aygun, Sezgin); Aktas, C (Aktas, Can); Sahoo, PK (Sahoo, Pradyumn Kumar); Bishi, BK (Bishi, Binaya K.)  
**Source:** GRAVITATION & COSMOLOGY **Volume:** 24 **Issue:** 3 **Pages:** 302-307 **DOI:** 10.1134/S0202289318030039 **Published:** JUL 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0202-2893  
**eISSN:** 1995-0721

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**Title:** New class of exact solutions in Einstein-Maxwell-dilaton theory  
**Author(s):** Ghezelbash, AM (Ghezelbash, A. M.)  
**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 6 **Article**  
**Number:** 064030 **DOI:** 10.1103/PhysRevD.95.064030 **Published:** MAR 21 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** New exact solutions of the Einstein vacuum equations for rotating axially symmetric fields  
**Author(s):** Ali, AT (Ali, Ahmad T.)  
**Source:** PHYSICA SCRIPTA **Volume:** 79 **Issue:** 3 **Article**  
**Number:** 035006 **DOI:** 10.1088/0031-8949/79/03/035006 **Published:** MAR 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0031-8949

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**Title:** The Decay of Massive Scalar Field in Non-Static Godel Type Universe with Viscous Fluid and Heat Flow

**Author(s):** Aygun, S (Ayguen, S.); Tarhan, I (Tarhan, I.)  
**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 47 **Issue:** 12 **Pages:** 3257-3266 **DOI:** 10.1007/s10773-008-9761-7 **Published:** DEC 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0020-7748  
**eISSN:** 1572-9575

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**Title:** Scalar field theory and energy-momentum problem of Yilmaz-Rosen metric in general relativity and teleparallel gravity  
**Author(s):** Aygun, S (Aygun, Sezgin); Tarhan, I (Tarhan, Ismail); Baysal, H (Baysal, Huesnue)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 314 **Issue:** 4 **Pages:** 323-330 **DOI:** 10.1007/s10509-008-9773-z **Published:** APR 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Stationary systems and harmonic potentials  
**Author(s):** Park, DH (Park, DH)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 4 **Pages:** 987-1000 **Article Number:** PII S0264-9381(04)70364-0 **DOI:** 10.1088/0264-9381/21/4/018 **Published:** FEB 21 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381

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**Title:** Energy and momentum in general relativity  
**Author(s):** Sharif, M (Sharif, M)  
**Source:** NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY AND MATHEMATICAL PHYSICS AND METHODS **Volume:** 118 **Issue:** 7 **Pages:** 669-683 **Published:** JUL 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1594-9982

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**Title:** Searching for dark energy in the matter-dominated era  
**Author(s):** Bull, P (Bull, Philip); White, M (White, Martin); Slosar, A (Slosar, Anze)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 505 **Issue:** 2 **Pages:** 2285-2299 **DOI:** 10.1093/mnras/stab1338 **Published:** AUG 2021

**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Differentiating dark interactions with perturbation  
**Author(s):** Sinha, S (Sinha, Srijita)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article Number:** 123547 **DOI:** 10.1103/PhysRevD.103.123547 **Published:** JUN 28 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Taxonomy of Dark Energy Models  
**Author(s):** Motta, V (Motta, Veronica); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.); Hernandez-Almada, A (Hernandez-Almada, Alberto); Magana, J (Magana, Juan); Verdugo, T (Verdugo, Tomas)  
**Source:** UNIVERSE **Volume:** 7 **Issue:** 6 **Article Number:** 163 **DOI:** 10.3390/universe7060163 **Published:** JUN 2021  
**Language:** English  
**Document Type:** Review  
**eISSN:** 2218-1997

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**Title:** Observational constraints on complex quintessence with attractive self-interaction  
**Author(s):** Carvente, B (Carvente, Belen); Jaramillo, V (Jaramillo, Victor); Escamilla-Rivera, C (Escamilla-Rivera, Celia); Nunez, D (Nunez, Dario)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 503 **Issue:** 3 **Pages:** 4008-4015 **DOI:** 10.1093/mnras/stab650 **Published:** MAY 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Late Time Attractors of Some Varying Chaplygin Gas Cosmological Models  
**Author(s):** Khurshudyan, M (Khurshudyan, Martiros); Myrzakulov, R (Myrzakulov, Ratbay)  
**Source:** SYMMETRY-BASEL **Volume:** 13 **Issue:** 5 **Article Number:** 769 **DOI:** 10.3390/sym13050769 **Published:** MAY 2021  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2073-8994

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**Title:** Dynamics of a two scalar field cosmological model with phantom terms  
**Author(s):** Paliathanasis, A (Paliathanasis, Andronikos); Leon, G (Leon, Genly)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 7 **Article Number:** 075013 **DOI:** 10.1088/1361-6382/abe2d7 **Published:** APR 8 2021

**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Perturbations in a scalar field model with virtues of Lambda CDM  
**Author(s):** Sinha, S (Sinha, Srijita); Banerjee, N (Banerjee, Narayan)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 4 **Article Number:** 060 **DOI:** 10.1088/1475-7516/2021/04/060 **Published:** APR 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Bayesian model selection on scalar epsilon-field dark energy  
**Author(s):** Vazquez, JA (Alberto Vazquez, J.); Tamayo, D (Tamayo, David); Sen, AA (Sen, Anjan A.); Quiros, I (Quiros, Israel)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 4 **Article Number:** 043506 **DOI:** 10.1103/PhysRevD.103.043506 **Published:** FEB 3 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Quintessential inflation for exponential type potentials: scaling and tracker behavior  
**Author(s):** Salo, LA (Salo, Llibert Areste); Haro, J (Haro, Jaume)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 81 **Issue:** 2 **Article Number:** 105 **DOI:** 10.1140/epjc/s10052-021-08906-2 **Published:** FEB 1 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Generalized scalar field cosmologies: a global dynamical systems formulation  
**Author(s):** Leon, G (Leon, Genly); Silva, FOF (Silva, Felipe Orlando Franz)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 1 **Article Number:** 015004 **DOI:** 10.1088/1361-6382/abc095 **Published:** JAN 8 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Reconstructing k-essence: Unifying the attractor  $n(S)(N)$  and the swampland criteria  
**Author(s):** Herrera, R (Herrera, Ramon)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 12 **Article Number:** 123508 **DOI:** 10.1103/PhysRevD.102.123508 **Published:** DEC 1 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Entropic considerations on the Universe and Universe-black hole systems  
**Author(s):** Hadi, H (Hadi, H.); Darabi, F (Darabi, F.); Heydarzade, Y (Heydarzade, Y.)  
**Source:** EPL **Volume:** 131 **Issue:** 5 **Article Number:** 59001 **DOI:** 10.1209/0295-5075/131/59001 **Published:** SEP 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0295-5075  
**eISSN:** 1286-4854

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**Title:** Constraints and cosmography of Lambda CDM in presence of viscosity  
**Author(s):** Herrera-Zamorano, L (Herrera-Zamorano, L.); Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 7 **Article Number:** 637 **DOI:** 10.1140/epjc/s10052-020-8225-y **Published:** JUL 18 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Stability of a modified Jordan-Brans-Dicke theory in the dilatonic frame  
**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos); Abab, LV (Velazquez Abab, Luisberis)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 52 **Issue:** 7 **Article Number:** 71 **DOI:** 10.1007/s10714-020-02718-7 **Published:** JUL 14 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Evolution of dark energy perturbations for Slotheon field and power spectrum  
**Author(s):** Mukhopadhyay, U (Mukhopadhyay, Upala); Majumdar, D (Majumdar, Debasish); Adak, D (Adak, Debabrata)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 6 **Article Number:** 593 **DOI:** 10.1140/epjc/s10052-020-8165-6 **Published:** JUN 30 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Scaling solutions in quintessential inflation  
**Author(s):** Haro, J (Haro, Jaume); Amoros, J (Amoros, Jaume); Pan, S (Pan, Supriya)



**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 5 **Article Number:** 404 **DOI:** 10.1140/epjc/s10052-020-7950-6 **Published:** MAY 12 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Asymptotically equivalent functions and ultrafilters applied to noncommutative quantum cosmology

**Author(s):** Astorga-Moreno, JA (Astorga-Moreno, J. A.); Mena-Barboza, EA (Mena-Barboza, E. A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, M. A.)

**Source:** REVISTA MEXICANA DE FISICA **Volume:** 65 **Issue:** 5 **Pages:** 519-528 **DOI:** 10.31349/RevMexFis.65.519 **Published:** SEP-OCT 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0035-001X

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**Title:** Extended phase-space analysis of the Horava-Lifshitz cosmology

**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **Article Number:** 746 **DOI:** 10.1140/epjc/s10052-019-7236-z **Published:** SEP 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Polytropic Carnot heat engine

**Author(s):** Askin, M (Askin, M.); Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 34 **Issue:** 24 **Article Number:** 1950197 **DOI:** 10.1142/S0217732319501979 **Published:** AUG 10 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Interacting dark energy model in the brane scenario: A dynamical system analysis

**Author(s):** Biswas, SK (Biswas, Sujay Kr); Chakraborty, S (Chakraborty, Subenoy)

**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 16 **Issue:** 8 **Article Number:** 1950115 **DOI:** 10.1142/S0219887819501159 **Published:** AUG 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0219-8878

**eISSN:** 1793-6977

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**Title:** The Peebles-Vilenkin quintessential inflation model revisited

**Author(s):** Haro, J (Haro, Jaume); Amoros, J (Amoros, Jaume); Pan, S (Pan, Supriya)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 6 **Article Number:** 505 **DOI:** 10.1140/epjc/s10052-019-7012-0 **Published:** JUN 14 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Selected topics in scalar-tensor theories and beyond  
**Author(s):** Quiros, I (Quiros, Israel)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 28 **Issue:** 7 **Article Number:** 1930012 **DOI:** 10.1142/S021827181930012X **Published:** MAY 2019  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Generalized tachyonic teleparallel cosmology  
**Author(s):** Bahamonde, S (Bahamonde, Sebastian); Marciu, M (Marciu, Mihai); Said, JL (Said, Jackson Levi)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 4 **Article Number:** 324 **DOI:** 10.1140/epjc/s10052-019-6833-1 **Published:** APR 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Self-gravitating gaseous spheres in 5D framework  
**Author(s):** Kangal, EE (Kangal, E. E.)  
**Source:** CHINESE JOURNAL OF PHYSICS **Volume:** 58 **Pages:** 85-97 **DOI:** 10.1016/j.cjph.2019.01.007 **Published:** APR 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0577-9073

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**Title:** Variable Chaplygin gas in Kaluza-Klein framework  
**Author(s):** Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.); Tas, A (Tas, A.); Sogut, K (Sogut, K.); Kangal, EE (Kangal, E. E.)  
**Source:** CANADIAN JOURNAL OF PHYSICS **Volume:** 97 **Issue:** 2 **Pages:** 117-124 **DOI:** 10.1139/cjp-2017-0873 **Published:** FEB 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0008-4204  
**eISSN:** 1208-6045

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**Title:** The observational constraints on the flat  $\phi$  CDM models

**Author(s):** Avsajanishvili, O (Avsajanishvili, Olga); Huang, YW (Huang, Yiwen); Samushia, L (Samushia, Lado); Kahniashvili, T (Kahniashvili, Tina)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 9 **Article Number:** 773 **DOI:** 10.1140/epjc/s10052-018-6233-y **Published:** SEP 26 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Dynamical analysis and cosmological viability of varying G and Lambda cosmology

**Author(s):** Paliathanasis, A (Paliathanasis, Andronikos)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 8 **Article Number:** 681 **DOI:** 10.1140/epjc/s10052-018-6165-6 **Published:** AUG 27 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Dynamical systems analysis of phantom dark energy models

**Author(s):** Roy, N (Roy, Nandan); Bhadra, N (Bhadra, Niveditha)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2018/06/002 **Published:** JUN 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Latest astronomical constraints on some non-linear parametric dark energy models

**Author(s):** Yang, WQ (Yang, Weiqiang); Pan, S (Pan, Supriya); Paliathanasis, A (Paliathanasis, Andronikos)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 475 **Issue:** 2 **Pages:** 2605-2613 **DOI:** 10.1093/mnras/sty019 **Published:** APR 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Variable generalized Chaplygin gas in a 5D cosmology

**Author(s):** Salti, M (Salti, Mustafa); Aydogdu, O (Aydogdu, Oktay); Yanar, H (Yanar, Hilmi); Sogut, K (Sogut, Kenan)

**Source:** ANNALS OF PHYSICS **Volume:** 390 **Pages:** 131-142 **DOI:** 10.1016/j.aop.2018.01.007 **Published:** MAR 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0003-4916

**eISSN:** 1096-035X

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties  
**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 27 **Issue:** 3 **Article**  
**Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Class of Exact Solutions for a Cosmological Model of Unified Gravitational and Quintessence Fields  
**Author(s):** Asenjo, FA (Asenjo, Felipe A.); Hojman, SA (Hojman, Sergio A.)  
**Source:** FOUNDATIONS OF PHYSICS **Volume:** 47 **Issue:** 7 **Pages:** 887-896 **DOI:** 10.1007/s10701-017-0091-6 **Published:** JUL 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0015-9018  
**eISSN:** 1572-9516

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**Title:** Cosmological Constant Problem  
**Author(s):** Calcagni, G (Calcagni, Gianluca)  
**Book Author(s):** Calcagni, G (Calcagni, G)  
**Source:** CLASSICAL AND QUANTUM COSMOLOGY **Book Series:** Graduate Texts in Physics **Pages:** 301-388 **DOI:** 10.1007/978-3-319-41127-9\_7 **Published:** 2017  
**Language:** English  
**Document Type:** Article; Book Chapter  
**ISSN:** 1868-4513  
**eISSN:** 1868-4521  
**ISBN:** 978-3-319-41127-9; 978-3-319-41125-5  
**Book DOI:** 10.1007/978-3-319-41127-9

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**Title:** Cosmic Evolution of Scalar Fields with Multiple Vacua: Generalized DBI and Quintessence  
**Author(s):** Gao, CJ (Gao, Changjun); Shen, YG (Shen, You-Gen)  
**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 55 **Issue:** 10 **Pages:** 4532-4544 **DOI:** 10.1007/s10773-016-3076-x **Published:** OCT 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0020-7748  
**eISSN:** 1572-9575

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**Title:** Classical and quantum solutions in Brans-Dicke cosmology with a perfect fluid

**Author(s):** Paliathanasis, A (Paliathanasis, Andronikos); Tsamparlis, M (Tsamparlis, Michael); Basilakos, S (Basilakos, Spyros); Barrow, JD (Barrow, John D.)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 4 **Article Number:** 043528 **DOI:** 10.1103/PhysRevD.93.043528 **Published:** FEB 17 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Do neutrinos contribute to total dark energy

**Author(s):** Singh, KM (Singh, Kojam Manihar); Mahanta, KL (Mahanta, K. L.)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 361 **Issue:** 2 **Article Number:** 85 **DOI:** 10.1007/s10509-016-2669-4 **Published:** FEB 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0004-640X

**eISSN:** 1572-946X

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**Title:** A Cosmological Model Describing the Early Inflation, the Intermediate Decelerating Expansion, and the Late Accelerating Expansion of the Universe by a Quadratic Equation of State

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** UNIVERSE **Volume:** 1 **Issue:** 3 **Pages:** 357-411 **DOI:** 10.3390/universe1030357 **Published:** DEC 2015

**Language:** English

**Document Type:** Article

**ISSN:** 2218-1997

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**Title:** Mapping the Chevallier-Polarski-Linder parametrization onto physical dark energy Models

**Author(s):** Scherrer, RJ (Scherrer, Robert J.)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 4 **Article Number:** 043001 **DOI:** 10.1103/PhysRevD.92.043001 **Published:** AUG 5 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Is the Universe logotropic?

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 7 **Article Number:** 130 **DOI:** 10.1140/epjp/i2015-15130-5 **Published:** JUL 10 2015

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article**

**Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Dynamical analysis in scalar field cosmology

**Author(s):** Paliathanasis, A (Paliathanasis, Andronikos); Tsamparlis, M (Tsamparlis, Michael); Basilakos, S (Basilakos, Spyros); Barrow, JD (Barrow, John D.)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 12 **Article**

**Number:** 123535 **DOI:** 10.1103/PhysRevD.91.123535 **Published:** JUN 23 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** First-Order Formalism for Dark Energy in Curved Backgrounds

**Author(s):** Bazeia, D (Bazeia, D.); Losano, L (Losano, L.); Rodrigues, JJ (Rodrigues, J. J.)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL

PHYSICS **Volume:** 54 **Issue:** 6 **Pages:** 2087-2097 **DOI:** 10.1007/s10773-014-2415-z **Published:** JUN 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Hyperbolic inflation in the light of Planck 2015 data

**Author(s):** Basilakos, S (Basilakos, Spyros); Barrow, JD (Barrow, John D.)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 10 **Article**

**Number:** 103517 **DOI:** 10.1103/PhysRevD.91.103517 **Published:** MAY 18 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Introduction to the application of dynamical systems theory in the study of the dynamics of cosmological models of dark energy

**Author(s):** Garcia-Salcedo, R (Garcia-Salcedo, Ricardo); Gonzalez, T (Gonzalez, Tame); Horta-Rangel, FA (Horta-Rangel, Francisco A.); Quiros, I (Quiros, Israel); Sanchez-Guzman, D (Sanchez-Guzman, Daniel)

**Source:** EUROPEAN JOURNAL OF PHYSICS **Volume:** 36 **Issue:** 2 **Article**

**Number:** 025008 **DOI:** 10.1088/0143-0807/36/2/025008 **Published:** MAR 2015

**Language:** English

**Document Type:** Article  
**ISSN:** 0143-0807  
**eISSN:** 1361-6404

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**Title:** Models of universe with a polytropic equation of state: II. The late universe  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 129 **Issue:** 10 **Article Number:** 222 **DOI:** 10.1140/epjp/i2014-14222-0 **Published:** OCT 15 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Dynamical analysis of anisotropic scalar-field cosmologies for a wide range of potentials  
**Author(s):** Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Saridakis, EN (Saridakis, Emmanuel N.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 7 **Article Number:** 075018 **DOI:** 10.1088/0264-9381/31/7/075018 **Published:** APR 7 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** The general property of dynamical quintessence field  
**Author(s):** Gong, YG (Gong, Yungui)  
**Source:** PHYSICS LETTERS B **Volume:** 731 **Pages:** 342-349 **DOI:** 10.1016/j.physletb.2014.03.013 **Published:** APR 4 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Asymptotic behavior of a scalar field with an arbitrary potential trapped on a Randall-Sundrum's braneworld: the effect of a negative dark radiation term on a Bianchi I brane  
**Author(s):** Escobar, D (Escobar, Dagoberto); Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 349 **Issue:** 1 **Pages:** 575-602 **DOI:** 10.1007/s10509-013-1650-8 **Published:** JAN 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Tracking quintessence: a dynamical systems study  
**Author(s):** Roy, N (Roy, Nandan); Banerjee, N (Banerjee, Narayan)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 1 **Article Number:** 1651 **DOI:** 10.1007/s10714-013-1651-5 **Published:** JAN 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Expanding universe: thermodynamical aspects from different models  
**Author(s):** Pal, S (Pal, Sridip); Biswas, R (Biswas, Ritabrata)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 342 **Issue:** 1 **Pages:** 269-279 **DOI:** 10.1007/s10509-012-1156-9 **Published:** NOV 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Cosmic Evolution in Self-Interacting Brans-Dicke Cosmology  
**Author(s):** Sharif, M (Sharif, Muhammad); Waheed, S (Waheed, Saira)  
**Source:** JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN **Volume:** 81 **Issue:** 11 **Article Number:** 114901 **DOI:** 10.1143/JPSJ.81.114901 **Published:** NOV 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0031-9015

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**Title:** Phase space analysis of quintessence fields trapped in a Randall-Sundrum braneworld: a refined study  
**Author(s):** Escobar, D (Escobar, Dagoberto); Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 29 **Issue:** 17 **Article Number:** 175005 **DOI:** 10.1088/0264-9381/29/17/175005 **Published:** SEP 7 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Reconstruction of the dark energy equation of state  
**Author(s):** Vazquez, JA (Vazquez, J. Alberto); Bridges, M (Bridges, M.); Hobson, MP (Hobson, M. P.); Lasenby, AN (Lasenby, A. N.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2012/09/020 **Published:** SEP 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Observational constraints on teleparallel dark energy  
**Author(s):** Geng, CQ (Geng, Chao-Qiang); Lee, CC (Lee, Chung-Chi); Saridakis, EN (Saridakis, Emmanuel N.)



**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2012/01/002 **Published:** JAN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Can noncommutative effects account for the present speed up of the cosmic expansion?

**Author(s):** Obregon, O (Obregon, Octavio); Quiros, I (Quiros, Israel)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article Number:** 044005 **DOI:** 10.1103/PhysRevD.84.044005 **Published:** AUG 2 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Dark Energy: Investigation and Modeling

**Author(s):** Tsujikawa, S (Tsujikawa, Shinji)

**Edited by:** Matarrese S; Colpi M; Gorini V; Moschella U

**Source:** DARK MATTER AND DARK ENERGY: A CHALLENGE FOR MODERN COSMOLOGY **Book Series:** Astrophysics and Space Science Library **Volume:** 370 **Pages:** 331-+ **Published:** 2011

**Language:** English

**Document Type:** Article; Book Chapter

**ISSN:** 0067-0057

**eISSN:** 2214-7985

**ISBN:** 978-90-481-8684-6

**Book DOI:** 10.1007/978-90-481-8685-3

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**Title:** A study of tachyon dynamics for broad classes of potentials

**Author(s):** Quiros, I (Quiros, Israel); Gonzalez, T (Gonzalez, Tame); Gonzalez, D (Gonzalez, Dania); Napoles, Y (Napoles, Yunelsy); Garcia-Salcedo, R (Garcia-Salcedo, Ricardo); Moreno, C (Moreno, Claudia)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 27 **Issue:** 21 **Article Number:** 215021 **DOI:** 10.1088/0264-9381/27/21/215021 **Published:** NOV 21 2010

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Inflation from supersymmetric quantum cosmology

**Author(s):** Socorro, J (Socorro, J.); D'Oleire, M (D'Oleire, Marco)

**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article Number:** 044008 **DOI:** 10.1103/PhysRevD.82.044008 **Published:** AUG 5 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Multiscale cosmology and structure-emerging dark energy: A plausibility analysis  
**Author(s):** Wiegand, A (Wiegand, Alexander); Buchert, T (Buchert, Thomas)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 2 **Article Number:** 023523 **DOI:** 10.1103/PhysRevD.82.023523 **Published:** JUL 26 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Understanding the origin of CMB constraints on dark energy  
**Author(s):** Jassal, HK (Jassal, H. K.); Bagla, JS (Bagla, J. S.); Padmanabhan, T (Padmanabhan, T.)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 405 **Issue:** 4 **Pages:** 2639-2650 **DOI:** 10.1111/j.1365-2966.2010.16647.x **Published:** JUL 11 2010  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Evolution of perturbations in distinct classes of canonical scalar field models of dark energy  
**Author(s):** Jassal, HK (Jassal, H. K.)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 8 **Article Number:** 083513 **DOI:** 10.1103/PhysRevD.81.083513 **Published:** APR 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Multistate boson stars  
**Author(s):** Bernal, A (Bernal, A.); Barranco, J (Barranco, J.); Alic, D (Alic, D.); Palenzuela, C (Palenzuela, C.)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 4 **Article Number:** 044031 **DOI:** 10.1103/PhysRevD.81.044031 **Published:** FEB 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Linear and nonlinear interactions in the dark sector  
**Author(s):** Chimento, LP (Chimento, Luis P.)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 4 **Article Number:** 043525 **DOI:** 10.1103/PhysRevD.81.043525 **Published:** FEB 15 2010

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Equation of state of tracker fields  
**Author(s):** Chiba, T (Chiba, Takeshi)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 2 **Article Number:** 023515 **DOI:** 10.1103/PhysRevD.81.023515 **Published:** JAN 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** A VARIABLE MODIFIED CHAPLYGIN GAS MODEL WITH INTERACTION  
**Author(s):** Xing, LL (Xing, Lili); Gui, YX (Gui, Yuanxing); Wang, CY (Wang, Chunyan)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 18 **Issue:** 12 **Pages:** 1851-1862 **DOI:** 10.1142/S0218271809015722 **Published:** NOV 30 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Assisted dark energy  
**Author(s):** Ohashi, J (Ohashi, Junko); Tsujikawa, S (Tsujikawa, Shinji)  
**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 10 **Article Number:** 103513 **DOI:** 10.1103/PhysRevD.80.103513 **Published:** NOV 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** de Sitter nonlinear sigma model and accelerating universe  
**Author(s):** Lee, J (Lee, Joohan); Lee, TH (Lee, Tae Hoon); Moon, TY (Moon, Tae Yoon); Oh, P (Oh, Phillial)  
**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 6 **Article Number:** 065016 **DOI:** 10.1103/PhysRevD.80.065016 **Published:** SEP 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** A Two-Field Dilaton Model of Dark Energy  
**Author(s):** Liang, N (Liang Nan); Gao, CJ (Gao Chang-Jun); Zhang, SN (Zhang Shuang-Nan)

**Source:** CHINESE PHYSICS LETTERS **Volume:** 26 **Issue:** 6 **Article**  
**Number:** 069501 **Published:** JUN 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0256-307X

**eISSN:** 1741-3540

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**Title:** Testing backreaction effects with observations

**Author(s):** Larena, J (Larena, Julien); Alimi, JM (Alimi, Jean-Michel); Buchert, T (Buchert, Thomas); Kunz, M (Kunz, Martin); Corasaniti, PS (Corasaniti, Pier-Stefano)

**Source:** PHYSICAL REVIEW D **Volume:** 79 **Issue:** 8 **Article**

**Number:** 083011 **DOI:** 10.1103/PhysRevD.79.083011 **Published:** APR 2009

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** EVOLUTION OF VARIABLE MODIFIED CHAPLYGIN GAS MODEL

**Author(s):** Xing, LL (Xing, Lili); Gui, YX (Gui, Yuanxing); Xu, LX (Xu, Lixin); Lu, JB (Lu, Jianbo)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 24 **Issue:** 9 **Pages:** 683-691 **DOI:** 10.1142/S0217732309027443 **Published:** MAR 21 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Scalar field dark energy perturbations and their scale dependence

**Author(s):** Unnikrishnan, S (Unnikrishnan, Sanil); Jassal, HK (Jassal, H. K.); Seshadri, TR (Seshadri, T. R.)

**Source:** PHYSICAL REVIEW D **Volume:** 78 **Issue:** 12 **Article**

**Number:** 123504 **DOI:** 10.1103/PhysRevD.78.123504 **Published:** DEC 2008

**Language:** English

**Document Type:** Review

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Exact models with non-minimal interaction between dark matter and (either phantom or quintessence) dark energy

**Author(s):** Gonzalez, T (Gonzalez, Tame); Quiros, I (Quiros, Israel)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 25 **Issue:** 17 **Article**

**Number:** 175019 **DOI:** 10.1088/0264-9381/25/17/175019 **Published:** SEP 7 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Can cosmological observations uniquely determine the nature of dark energy?

**Author(s):** Unnikrishnan, S (Unnikrishnan, Sanil)

**Source:** PHYSICAL REVIEW D **Volume:** 78 **Issue:** 6 **Article Number:** 063007 **DOI:** 10.1103/PhysRevD.78.063007 **Published:** SEP 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Crossing the phantom divide in an interacting generalized Chaplygin gas

**Author(s):** Garcia-Compean, H (Garcia-Compean, H.); Garcia-Jimenez, G (Garcia-Jimenez, G.); Obregon, O (Obregon, O.); Ramirez, C (Ramirez, C.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 016 **DOI:** 10.1088/1475-7516/2008/07/016 **Published:** JUL 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Neutrino masses from cosmological probes in interacting neutrino dark-energy models

**Author(s):** Ichiki, K (Ichiki, Kiyotomo); Keum, YY (Keum, Yong-Yeon)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 6 **Article Number:** 058 **DOI:** 10.1088/1126-6708/2008/06/058 **Published:** JUN 2008

**Language:** English

**Document Type:** Review

**ISSN:** 1029-8479

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**Title:** Cosmic evolution with early and late acceleration inspired by the dual nature of the Ricci scalar curvature

**Author(s):** Srivastava, SK (Srivastava, S. K.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 17 **Issue:** 5 **Pages:** 755-784 **DOI:** 10.1142/S0218271808012474 **Published:** MAY 2008

**Language:** English

**Document Type:** Review

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Cosmological models in scalar tensor theories of gravity and observations: a class of general solutions

**Author(s):** Demianski, M (Demianski, M.); Piedipalumbo, E (Piedipalumbo, E.); Rubano, C (Rubano, C.); Scudellaro, P (Scudellaro, P.)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 481 **Issue:** 2 **Pages:** 279-294 **DOI:** 10.1051/0004-6361:20067045 **Published:** APR 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361  
**eISSN:** 1432-0746

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**Title:** Apsis: An artificial planetary system in space to probe extra-dimensional gravity and  
mond

**Author(s):** Sahni, V (Sahni, Varun); Shtanov, Y (Shtanov, Yuri)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 17 **Issue:** 3-  
4 **Pages:** 453-466 **DOI:** 10.1142/S0218271808012127 **Published:** MAR-APR 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** A new approach to quintessence and a solution of multiple attractors

**Author(s):** Zhou, SY (Zhou, Shuang-Yong)

**Source:** PHYSICS LETTERS B **Volume:** 660 **Issue:** 1-2 **Pages:** 7-  
12 **DOI:** 10.1016/j.physletb.2007.12.020 **Published:** FEB 14 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** The invariant generalized chaplygin gas model with interaction

**Author(s):** Wu, YB (Wu, Ya Bo); Yang, XY (Yang, Xiu Yi); He, J (He, Jing); Fu, MH (Fu,  
Ming Hui)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 23 **Issue:** 3 **Pages:** 211-  
219 **DOI:** 10.1142/S021773230802358X **Published:** JAN 30 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Scaling attractors for quintessence in a flat universe with a cosmological term

**Author(s):** Kiselev, VV (Kiselev, V. V.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE  
PHYSICS **Issue:** 1 **Article Number:** 019 **DOI:** 10.1088/1475-  
7516/2008/01/019 **Published:** JAN 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Gravitational origin of phantom dark energy and late cosmic acceleration

**Author(s):** Srivastava, SK (Srivastava, S. K.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
A **Volume:** 22 **Issue:** 6 **Pages:** 1123-  
1134 **DOI:** 10.1142/S0217751X07035094 **Published:** MAR 10 2007

**Language:** English

**Document Type:** Review

**ISSN:** 0217-751X

**eISSN:** 1793-656X

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**Title:** Cosmology with a variable Chaplygin gas

**Author(s):** Guo, ZK (Guo, Zong-Kuan); Zhang, YZ (Zhang, Yuan-Zhong)

**Source:** PHYSICS LETTERS B **Volume:** 645 **Issue:** 4 **Pages:** 326-329 **DOI:** 10.1016/j.physletb.2006.12.063 **Published:** FEB 15 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Quintessence reconstructed: New constraints and tracker viability

**Author(s):** Sahlen, M (Sahlen, Martin); Liddle, AR (Liddle, Andrew R.); Parkinson, D (Parkinson, David)

**Source:** PHYSICAL REVIEW D **Volume:** 75 **Issue:** 2 **Article Number:** 023502 **DOI:** 10.1103/PhysRevD.75.023502 **Published:** JAN 2007

**Language:** English

**Document Type:** Review

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Evolution of variable Generalized Chaplygin gas

**Author(s):** Yang, XY (Yang Xiu-Yi); Wu, YB (Wu Ya-Bo); Lu, JB (Lu Jian-Bo); Song, L (Song, Li)

**Source:** CHINESE PHYSICS LETTERS **Volume:** 24 **Issue:** 1 **Pages:** 302-304 **Published:** JAN 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0256-307X

**eISSN:** 1741-3540

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**Title:** Why does gravity ignore the vacuum energy?

**Author(s):** Padmanabhan, T (Padmanabhan, T.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 15 **Issue:** 12 **Pages:** 2029-2058 **DOI:** 10.1142/S0218271806009455 **Published:** DEC 2006

**Language:** English

**Document Type:** Review

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Correspondence between kinematical backreaction and scalar field cosmologies - the 'morphon field'

**Author(s):** Buchert, T (Buchert, Thomas); Larena, J (Larena, Julien); Alimi, JM (Alimi, Jean-Michel)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 23 **Issue:** 22 **Pages:** 6379-6408 **DOI:** 10.1088/0264-9381/23/22/018 **Published:** NOV 21 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Accelerating universe in scalar tensor models - comparison of theoretical predictions with observations

**Author(s):** Demianski, M (Demianski, M.); Piedipalumbo, E (Piedipalumbo, E.); Rubano, C (Rubano, C.); Tortora, C (Tortora, C.)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 454 **Issue:** 1 **Pages:** 55-66 **DOI:** 10.1051/0004-6361:20054601 **Published:** JUL 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361

**eISSN:** 1432-0746

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**Title:** Statefinder parameters for phantom dark energy

**Author(s):** Wu, PX (Wu, Puxun); Yu, HW (Yu, Hongwei)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 21 **Issue:** 16 **Pages:** 1305-1311 **DOI:** 10.1142/S0217732306019293 **Published:** MAY 30 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** New generalized Chaplygin gas as a scheme for unification of dark energy and dark matter

**Author(s):** Zhang, X (Zhang, X); Wu, FQ (Wu, FQ); Zhang, JF (Zhang, JF)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 003 **DOI:** 10.1088/1475-7516/2005/01/003 **Published:** JAN 2006

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Observational constraints on low redshift evolution of dark energy: How consistent are different observations?

**Author(s):** Jassal, HK (Jassal, HK); Bagla, JS (Bagla, JS); Padmanabhan, T (Padmanabhan, T)

**Source:** PHYSICAL REVIEW D **Volume:** 72 **Issue:** 10 **Article Number:** 103503 **DOI:** 10.1103/PhysRevD.72.103503 **Published:** NOV 2005

**Language:** English

**Document Type:** Review

**ISSN:** 1550-7998

**eISSN:** 1550-2368



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**Title:** Exploring cosmological expansion parametrizations with the gold S<sub>n</sub>Ia data set

**Author(s):** Lazkoz, R (Lazkoz, R); Nesseris, S (Nesseris, S); Perivolaropoulos, L (Perivolaropoulos, L)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 010 **DOI:** 10.1088/1475-7516/2005/11/010 **Published:** NOV 2005

**Language:** English

**Document Type:** Review

**ISSN:** 1475-7516

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**Title:** Statefinder parameters for quintom dark energy model

**Author(s):** Wu, PX (Wu, PX); Yu, HW (Yu, HW)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 14 **Issue:** 11 **Pages:** 1873-1881 **DOI:** 10.1142/S0218271805007486 **Published:** NOV 2005

**Language:** English

**Document Type:** Review

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Crossing the phantom divide barrier with scalar tensor theories

**Author(s):** Perivolaropoulos, L (Perivolaropoulos, L)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 10 **Article Number:** 001 **DOI:** 10.1088/1475-7516/2005/10/001 **Published:** OCT 2005

**Language:** English

**Document Type:** Review

**ISSN:** 1475-7516

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**Title:** Constraints on a new alternative model to dark energy

**Author(s):** Gong, YG (Gong, YG); Chen, XM (Chen, XM)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 14 **Issue:** 9 **Pages:** 1495-1506 **DOI:** 10.1142/S0218271805006808 **Published:** SEP 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Intermediate inflation and the slow-roll approximation

**Author(s):** Rendall, AD (Rendall, AD)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 22 **Issue:** 9 **Pages:** 1655-1666 **DOI:** 10.1088/0264-9381/22/9/013 **Published:** MAY 7 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

eISSN: 1361-6382

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**Title:** Dark energy: The cosmological challenge of the millennium

**Author(s):** Padmanabhan, T (Padmanabhan, T)

**Source:** CURRENT SCIENCE **Volume:** 88 **Issue:** 7 **Pages:** 1057-1067 **Published:** APR 10 2005

**Language:** English

**Document Type:** Review

**ISSN:** 0011-3891

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**Title:** Observational constraints on dark energy model

**Author(s):** Gong, YG (Gong, YG)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 14 **Issue:** 3-4 **Pages:** 599-608 **DOI:** 10.1142/S0218271805006080 **Published:** APR 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Constraints on linear negative potentials in quintessence and phantom models from recent supernova data

**Author(s):** Perivolaropoulos, L (Perivolaropoulos, L)

**Source:** PHYSICAL REVIEW D **Volume:** 71 **Issue:** 6 **Article Number:** 063503 **DOI:** 10.1103/PhysRevD.71.063503 **Published:** MAR 2005

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Cosmological parameters from supernova observations: A critical comparison of three data sets

**Author(s):** Choudhury, TR (Choudhury, TR); Padmanabhan, T (Padmanabhan, T)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 429 **Issue:** 3 **Pages:** 807-818 **DOI:** 10.1051/0004-6361:20041168 **Published:** JAN 2005

**Language:** English

**Document Type:** Review

**ISSN:** 1432-0746

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**Title:** WMAP constraints on low redshift evolution of dark energy

**Author(s):** Jassal, HK (Jassal, HK); Bagla, JS (Bagla, JS); Padmanabhan, T (Padmanabhan, T)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 356 **Issue:** 1 **Pages:** L11-L16 **DOI:** 10.1111/j.1745-3933.2005.08577.x **Published:** JAN 1 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

eISSN: 1365-2966

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**Title:** Fate of bound systems in phantom and quintessence cosmologies

**Author(s):** Nesseris, S (Nesseris, S); Perivolaropoulos, L (Perivolaropoulos, L)

**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 12 **Article Number:** 123529 **DOI:** 10.1103/PhysRevD.70.123529 **Published:** DEC 2004

**Language:** English

**Document Type:** Review

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Is there supernova evidence for dark energy metamorphosis?

**Author(s):** Alam, U (Alam, U); Sahni, V (Sahni, V); Saini, TD (Saini, TD); Starobinsky, AA (Starobinsky, AA)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 354 **Issue:** 1 **Pages:** 275-291 **DOI:** 10.1111/j.1365-2966.2004.08189.x **Published:** OCT 11 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Supernova constraints on alternative models to dark energy

**Author(s):** Gong, YG (Gong, YG); Duan, CK (Duan, CK)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 352 **Issue:** 3 **Pages:** 847-851 **DOI:** 10.1111/j.1365-2966.2004.07976.x **Published:** AUG 11 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Phantom cosmologies

**Author(s):** Johri, VB (Johri, VB)

**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 4 **Article Number:** 041303 **DOI:** 10.1103/PhysRevD.70.041303 **Published:** AUG 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Phantom field and the fate of the universe

**Author(s):** Sami, M (Sami, M); Toporensky, A (Toporensky, A)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 19 **Issue:** 20 **Pages:** 1509-1517 **DOI:** 10.1142/S0217732304013921 **Published:** JUN 28 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Exploring the expanding Universe and dark energy using the statefinder diagnostic  
**Author(s):** Alam, U (Alam, U); Sahni, V (Sahni, V); Saini, TD (Saini, TD); Starobinsky, AA (Starobinsky, AA)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 344 **Issue:** 4 **Pages:** 1057-1074 **DOI:** 10.1046/j.1365-8711.2003.06871.x **Published:** OCT 1 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Cosmological dynamics of a phantom field  
**Author(s):** Singh, P (Singh, P); Sami, A (Sami, A); Dadhich, N (Dadhich, N)  
**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article Number:** 023522 **DOI:** 10.1103/PhysRevD.68.023522 **Published:** JUL 15 2003  
**Language:** English  
**Document Type:** Review  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Cosmological constant - the weight of the vacuum  
**Author(s):** Padmanabhan, T (Padmanabhan, T)  
**Source:** PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS **Volume:** 380 **Issue:** 5-6 **Pages:** 235-320 **DOI:** 10.1016/S0370-1573(03)00120-0 **Published:** JUL 2003  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0370-1573  
**eISSN:** 1873-6270

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**Title:** Generality of inflation in closed cosmological models with some quintessence potentials  
**Author(s):** Pavluchenko, SA (Pavluchenko, SA)  
**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 10 **Article Number:** 103518 **DOI:** 10.1103/PhysRevD.67.103518 **Published:** MAY 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Theoretical models of dark energy  
**Author(s):** Sahni, V (Sahni, V)

**Source:** CHAOS SOLITONS & FRACTALS **Volume:** 16 **Issue:** 4 **Pages:** 527-537 **Article Number:** PII S0960-0779(02)00221-7 **DOI:** 10.1016/S0960-0779(02)00221-7 **Published:** MAY 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0960-0779

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**Title:** Viable cosmology with a scalar field coupled to the trace of the stress tensor

**Author(s):** Sami, M (Sami, M); Padmanabhan, T (Padmanabhan, T)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 8 **Article Number:** 083509 **DOI:** 10.1103/PhysRevD.67.083509 **Published:** APR 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** The cosmological constant and dark energy

**Author(s):** Peebles, PJE (Peebles, PJE); Ratra, B (Ratra, B)

**Source:** REVIEWS OF MODERN PHYSICS **Volume:** 75 **Issue:** 2 **Pages:** 559-606 **DOI:** 10.1103/RevModPhys.75.559 **Published:** APR 2003

**Language:** English

**Document Type:** Review

**ISSN:** 0034-6861

**eISSN:** 1539-0756

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**Title:** Cosmology with tachyon field as dark energy

**Author(s):** Bagla, JS (Bagla, JS); Jassal, HK (Jassal, HK); Padmanabhan, T (Padmanabhan, T)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 6 **Article Number:** 063504 **DOI:** 10.1103/PhysRevD.67.063504 **Published:** MAR 2003

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Required conditions for late time acceleration and early time deceleration in generalized scalar-tensor theories

**Author(s):** Diaz-Rivera, LM (Diaz-Rivera, LM); Pimentel, LO (Pimentel, LO)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**A Volume:** 18 **Issue:** 4 **Pages:** 651-671 **DOI:** 10.1142/S0217751X03012205 **Published:** FEB 10 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0217-751X

**eISSN:** 1793-656X

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**Title:** Statefinder - A new geometrical diagnostic of dark energy

**Author(s):** Sahni, V (Sahni, V); Saini, TD (Saini, TD); Starobinsky, AA (Starobinsky, AA); Alam, U (Alam, U)

**Source:** JETP LETTERS **Volume:** 77 **Issue:** 5 **Pages:** 201-206 **DOI:** 10.1134/1.1574831 **Published:** 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0021-3640

**eISSN:** 1090-6487

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**Title:** Search for tracker potentials in quintessence theory

**Author(s):** Johri, VB (Johri, VB)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 23 **Pages:** 5959-5968 **Article Number:** PII S0264-9381(02)33534-2 **DOI:** 10.1088/0264-9381/19/23/306 **Published:** DEC 7 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Can the clustered dark matter and the smooth dark energy arise from the same scalar field?

**Author(s):** Padmanabhan, T (Padmanabhan, T); Choudhury, TR (Choudhury, TR)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 8 **Article Number:** 081301 **DOI:** 10.1103/PhysRevD.66.081301 **Published:** OCT 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Quintessence and cosmic acceleration

**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 11 **Issue:** 9 **Pages:** 1389-1397 **DOI:** 10.1142/S0218271802002220 **Published:** OCT 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Quintessence model and observational constraints

**Author(s):** Gong, YG (Gong, YG)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 17 **Pages:** 4537-4541 **Article Number:** PII S0264-9381(02)37071-0 **DOI:** 10.1088/0264-9381/19/17/305 **Published:** SEP 7 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

eISSN: 1361-6382

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**Title:** Planck-scale quintessence and the physics of structure formation

**Author(s):** Skordis, C (Skordis, C); Albrecht, A (Albrecht, A)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article**

**Number:** 043523 **DOI:** 10.1103/PhysRevD.66.043523 **Published:** AUG 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Accelerated expansion of the universe driven by tachyonic matter

**Author(s):** Padmanabhan, T (Padmanabhan, T)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 2 **Article**

**Number:** 021301 **DOI:** 10.1103/PhysRevD.66.021301 **Published:** JUL 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Isocurvature fluctuations in tracker quintessence models

**Author(s):** Kawasaki, M (Kawasaki, M); Moroi, T (Moroi, T); Takahashi, T (Takahashi, T)

**Source:** PHYSICS LETTERS B **Volume:** 533 **Issue:** 3-4 **Pages:** 294-301 **Article**

**Number:** PII S0370-2693(02)01620-9 **DOI:** 10.1016/S0370-2693(02)01620-9 **Published:** MAY 9 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

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**Title:** Solution generating in scalar-tensor theories with a massless scalar field and stiff perfect fluid as a source

**Author(s):** Yazadjiev, SS (Yazadjiev, SS)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 8 **Article**

**Number:** 084023 **DOI:** 10.1103/PhysRevD.65.084023 **Part:** A **Published:** APR 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Quintessence cosmology and the cosmic coincidence

**Author(s):** Bludman, SA (Bludman, SA); Roos, M (Roos, M)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 4 **Article**

**Number:** 043503 **DOI:** 10.1103/PhysRevD.65.043503 **Published:** FEB 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Brane quintessence  
**Author(s):** Maeda, K (Maeda, K)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article Number:** 123525 **DOI:** 10.1103/PhysRevD.64.123525 **Published:** DEC 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Scaling solutions and reconstruction of scalar field potentials  
**Author(s):** Rubano, C (Rubano, C); Barrow, JD (Barrow, JD)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article Number:** 127301 **DOI:** 10.1103/PhysRevD.64.127301 **Published:** DEC 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Effective cosmological constant and quintessence  
**Author(s):** de Ritis, R (de Ritis, R); Marino, AA (Marino, AA)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 8 **Article Number:** 083509 **DOI:** 10.1103/PhysRevD.64.083509 **Published:** OCT 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Exact anisotropic brane cosmologies  
**Author(s):** Chen, CM (Chen, CM); Harko, T (Harko, T); Mak, MK (Mak, MK)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 4 **Article Number:** 044013 **DOI:** 10.1103/PhysRevD.64.044013 **Published:** AUG 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Cosmological model parameter determination from satellite-acquired supernova apparent magnitude versus redshift data  
**Author(s):** Podariu, S (Podariu, S); Nugent, P (Nugent, P); Ratra, B (Ratra, B)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 553 **Issue:** 1 **Pages:** 39-46 **DOI:** 10.1086/320639 **Part:** 1 **Published:** MAY 20 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X

- 2.1.a.53. **Tonatiuh Matos** and Luis A. Ureña. Further Analysis of a Model with Quintessence and Scalar Dark Matter. Phys Rev. D63, (2001), 063506. Available at: astro-ph/0006024



129 citas

**Title:** Cosmological constraints on scalar field dark matter

**Author(s):** Escobal, AA (Escobal, A. A.); Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 30 **Issue:** 15 **Article**

**Number:** 2150108 **DOI:** 10.1142/S021827182150108X **Published:** NOV 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Press-Schechter primordial black hole mass functions and their observational constraints

**Author(s):** Sureda, J (Sureda, Joaquin); Magana, J (Magana, Juan); Araya, IJ (Araya, Ignacio J.); Padilla, ND (Padilla, Nelson D.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL

**SOCIETY Volume:** 507 **Issue:** 4 **Pages:** 4804-

**4825 DOI:** 10.1093/mnras/stab2450 **Published:** NOV 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Long-wavelength nonlinear perturbations of a complex scalar field

**Author(s):** Padilla, LE (Padilla, Luis E.); Hidalgo, JC (Carlos Hidalgo, Juan); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article**

**Number:** 083513 **DOI:** 10.1103/PhysRevD.104.083513 **Published:** OCT 5 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Astronomy with energy dependent flavour ratios of extragalactic neutrinos

**Author(s):** Karmakar, S (Karmakar, Siddhartha); Pandey, S (Pandey, Sujata); Rakshit, S (Rakshit, Subhendu)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 10 **Article**

**Number:** 004 **DOI:** 10.1007/JHEP10(2021)004 **Published:** OCT 1 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Anisotropic chiral cosmology: Exact solutions

**Author(s):** Diaz-Barron, LR (Rey Diaz-Barron, Luis); Espinoza-Garcia, A (Espinoza-Garcia, Abraham); Perez-Payan, S (Perez-Payan, S.); Socorro, J (Socorro, J.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 30 **Issue:** 11 **Article**  
**Number:** 2150080 **DOI:** 10.1142/S0218271821500802 **Published:** AUG 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Classical and quantum exact solutions for a FRW in chiral like cosmology  
**Author(s):** Socorro, J (Socorro, J.); Perez-Payan, S (Perez-Payan, Sinuhe); Hernandez-Jimenez, R (Hernandez-Jimenez, Rafael); Espinoza-Garcia, A (Espinoza-Garcia, Abraham); Diaz-Barron, LR (Diaz-Barron, Luis Rey)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 13 **Article**  
**Number:** 135027 **DOI:** 10.1088/1361-6382/abfed7 **Published:** JUL 12 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article**  
**Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Gravitational waves from binary black hole mergers surrounded by scalar field clouds: Numerical simulations and observational implications  
**Author(s):** Choudhary, S (Choudhary, Sunil); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Gupta, A (Gupta, Anshu); Degollado, JC (Carlos Degollado, Juan); Bose, S (Bose, Sukanta); Font, JA (Font, Jose A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 4 **Article**  
**Number:** 044032 **DOI:** 10.1103/PhysRevD.103.044032 **Published:** FEB 16 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Collapse of an axion scalar field  
**Author(s):** Chakrabarti, S (Chakrabarti, Soumya)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 81 **Issue:** 2 **Article**  
**Number:** 124 **DOI:** 10.1140/epjc/s10052-021-08930-2 **Published:** FEB 2021  
**Language:** English  
**Document Type:** Article

**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Galaxies with fuzzy dark matter  
**Author(s):** Lee, JW (Lee, Jae-Weon)  
**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 78 **Issue:** 10 **Special Issue:** SI **Pages:** 873-877 **DOI:** 10.1007/s40042-021-00077-3 **Early Access Date:** JAN 2021 **Published:** MAY 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0374-4884  
**eISSN:** 1976-8524

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**Title:** Quantum corrections to the accretion onto a Schwarzschild black hole in the background of quintessence  
**Author(s):** Nozari, K (Nozari, Kourosh); Hajebrahimi, M (Hajebrahimi, Milad); Saghafi, S (Saghafi, Sara)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 12 **Article Number:** 1208 **DOI:** 10.1140/epjc/s10052-020-08782-2 **Published:** DEC 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Dynamical formation and stability of fermion-boson stars  
**Author(s):** Di Giovanni, F (Di Giovanni, Fabrizio); Fakhry, S (Fakhry, Saeed); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Font, JA (Font, Jose A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 084063 **DOI:** 10.1103/PhysRevD.102.084063 **Published:** OCT 27 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Towards exterior/interior correspondence of black-holes

**Author(s):** Aviles-Niebla, C (Aviles-Niebla, C.); Nieto-Marin, PA (Nieto-Marin, P. A.); Nieto, JA (Nieto, J. A.)

**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 17 **Issue:** 12 **Article**

**Number:** 2050180 **DOI:** 10.1142/S0219887820501807 **Published:** OCT 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0219-8878

**eISSN:** 1793-6977

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**Title:** Constraints and cosmography of Lambda CDM in presence of viscosity

**Author(s):** Herrera-Zamorano, L (Herrera-Zamorano, L.); Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 7 **Article**

**Number:** 637 **DOI:** 10.1140/epjc/s10052-020-8225-y **Published:** JUL 18 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** The M-sigma relation of supermassive black holes from the scalar field dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon); Kim, HC (Kim, Hyeong-Chan); Lee, J (Lee, Jungjai)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 35 **Issue:** 19 **Article**

**Number:** 2050155 **DOI:** 10.1142/S0217732320501552 **Published:** JUN 21 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Dynamical I-boson stars: Generic stability and evidence for nonspherical solutions

**Author(s):** Jaramillo, V (Jaramillo, Victor); Sanchis-Gual, N (Sanchis-Gual, Nicolas); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Herdeiro, C (Herdeiro, Carlos); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 12 **Article**

**Number:** 124020 **DOI:** 10.1103/PhysRevD.101.124020 **Published:** JUN 11 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Soliton Random Walk and the Cluster-Stripping Problem in Ultralight Dark Matter

**Author(s):** Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 124 **Issue:** 20 **Article**

**Number:** 201301 **DOI:** 10.1103/PhysRevLett.124.201301 **Published:** MAY 18 2020

**Language:** English

**Document Type:** Article

ISSN: 0031-9007  
eISSN: 1079-7114

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**Title:** Galaxy formation with  $\Lambda$ CDM II. Cosmic filaments and first galaxies  
**Author(s):** Mocz, P (Mocz, Philip); Fialkov, A (Fialkov, Anastasia); Vogelsberger, M (Vogelsberger, Mark); Becerra, F (Becerra, Fernando); Shen, XJ (Shen, Xuejian); Robles, VH (Robles, Victor H.); Amin, MA (Amin, Mustafa A.); Zavala, J (Zavala, Jesus); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Bose, S (Bose, Sownak); Marinacci, F (Marinacci, Federico); Chavanis, PH (Chavanis, Pierre-Henri); Lancaster, L (Lancaster, Lachlan); Hernquist, L (Hernquist, Lars)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 494 **Issue:** 2 **Pages:** 2027-2044 **DOI:** 10.1093/mnras/staa738 **Published:** MAY 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Hysteresis and beating phenomena in loop quantum cosmology  
**Author(s):** Dupuy, JL (Dupuy, John L.); Singh, P (Singh, Parampreet)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 8 **Article Number:** 086016 **DOI:** 10.1103/PhysRevD.101.086016 **Published:** APR 16 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Dynamical evolutions of I-boson stars in spherical symmetry  
**Author(s):** Alcubierre, M (Alcubierre, Miguel); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 36 **Issue:** 21 **Article Number:** 215013 **DOI:** 10.1088/1361-6382/ab4726 **Published:** NOV 7 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** First Star-Forming Structures in Fuzzy Cosmic Filaments

**Author(s):** Moco, P (Moco, Philip); Fialkov, A (Fialkov, Anastasia); Vogelsberger, M (Vogelsberger, Mark); Becerra, F (Becerra, Fernando); Amin, MA (Amin, Mustafa A.); Bose, S (Bose, Sownak); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Chavanis, PH (Chavanis, Pierre-Henri); Hernquist, L (Hernquist, Lars); Lancaster, L (Lancaster, Lachlan); Marinacci, F (Marinacci, Federico); Robles, VH (Robles, Victor H.); Zavala, J (Zavala, Jesus)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 123 **Issue:** 14 **Article Number:** 141301 **DOI:** 10.1103/PhysRevLett.123.141301 **Published:** OCT 2 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Dark matter from backreaction? Collapse models on galaxy cluster scales

**Author(s):** Vigneron, Q (Vigneron, Quentin); Buchert, T (Buchert, Thomas)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 36 **Issue:** 17 **Article Number:** 175006 **DOI:** 10.1088/1361-6382/ab32d1 **Published:** SEP 5 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Thermodynamic Implications of Multiquintessence Scenario

**Author(s):** Jawad, A (Jawad, Abdul); Khan, Z (Khan, Zoya); Rani, S (Rani, Shamaila); Bamba, K (Bamba, Kazuharu)

**Source:** ENTROPY **Volume:** 21 **Issue:** 9 **Article Number:** 851 **DOI:** 10.3390/e21090851 **Published:** SEP 2019

**Language:** English

**Document Type:** Article

**eISSN:** 1099-4300

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**Title:** Exact solutions in Chiral cosmology

**Author(s):** Paliathanasis, A (Paliathanasis, Andronikos); Leon, G (Leon, Genly); Pan, S (Pan, Supriya)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 51 **Issue:** 9 **Article Number:** 106 **DOI:** 10.1007/s10714-019-2594-2 **Published:** SEP 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Selected topics in scalar-tensor theories and beyond  
**Author(s):** Quiros, I (Quiros, Israel)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 28 **Issue:** 7 **Article**  
**Number:** 1930012 **DOI:** 10.1142/S021827181930012X **Published:** MAY 2019  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Low redshift observational constraints on tachyon models of dark energy  
**Author(s):** Singh, A (Singh, Avinash); Sangwan, A (Sangwan, Archana); Jassal, HK (Jassal, H. K.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 4 **Article Number:** 047 **DOI:** 10.1088/1475-7516/2019/04/047 **Published:** APR 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Novel constraints on fermionic dark matter from galactic observables II: Galaxy scaling relations  
**Author(s):** Arguelles, CR (Arguelles, C. R.); Krut, A (Krut, A.); Rueda, JA (Rueda, J. A.); Ruffini, R (Ruffini, R.)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 24 **Article**  
**Number:** 100278 **DOI:** 10.1016/j.dark.2019.100278 **Published:** MAR 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2212-6864

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**Title:** Thermodynamics of quantum-corrected Schwarzschild black hole surrounded by quintessence  
**Author(s):** Shahjalal, M (Shahjalal, Md)  
**Source:** NUCLEAR PHYSICS B **Volume:** 940 **Pages:** 63-77 **DOI:** 10.1016/j.nuclphysb.2019.01.009 **Published:** MAR 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0550-3213  
**eISSN:** 1873-1562

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**Title:** Asymmetric dark matter with a possible Bose-Einstein condensate  
**Author(s):** HajiSadeghi, S (HajiSadeghi, Shakiba); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 2 **Article Number:** 023514 **DOI:** 10.1103/PhysRevD.99.023514 **Published:** JAN 9 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Phase transitions between dilute and dense axion stars

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Supplying dark energy from scalar field dark matter

**Author(s):** Gogberashvili, M (Gogberashvili, Merab); Sakharov, A (Sakharov, Alexander)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 9 **Article Number:** 1850100 **DOI:** 10.1142/S0218271818501006 **Published:** JUL 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Bose-Einstein condensate haloes embedded in dark energy

**Author(s):** Membrado, M (Membrado, M.); Pacheco, AF (Pacheco, A. F.)



**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 611 **Article Number:** A81 **DOI:** 10.1051/0004-6361/201731447 **Published:** APR 4 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1432-0746

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**Title:** Non-relativistic limit of thermodynamics of Bose field in a static space-time and Bose-Einstein condensation

**Author(s):** Akant, L (Akant, Levent); Debir, B (Debir, Birses); Iseri, IC (Iseri, I. Cagri)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 35 **Issue:** 4 **Article Number:** 045017 **DOI:** 10.1088/1361-6382/aaa0a7 **Published:** FEB 22 2018

**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties

**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 27 **Issue:** 3 **Article**

**Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018

**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** THE DARK SIDE OF A BOSE GAS

**Author(s):** Sadegi, SH (Sadegi, S. Hajji); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)

**Source:** ACTA PHYSICA POLONICA B **Volume:** 48 **Issue:** 12 **Pages:** 2389-2396 **DOI:** 10.5506/APhysPolB.48.2389 **Published:** DEC 2017

**Language:** English  
**Document Type:** Article  
**ISSN:** 0587-4254  
**eISSN:** 1509-5770

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**Title:** SIDM on FIRE: hydrodynamical self-interacting dark matter simulations of low-mass dwarf galaxies

**Author(s):** Robles, VH (Robles, Victor H.); Bullock, JS (Bullock, James S.); Elbert, OD (Elbert, Oliver D.); Fitts, A (Fitts, Alex); Gonzalez-Samaniego, A (Gonzalez-Samaniego, Alejandro); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Hopkins, PF (Hopkins, Philip F.); Faucher-Giguere, CA (Faucher-Giguere, Claude-Andre); Keres, D (Keres, Dusan); Hayward, CC (Hayward, Christopher C.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 472 **Issue:** 3 **Pages:** 2945-2954 **DOI:** 10.1093/mnras/stx2253 **Published:** DEC 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Bose-Einstein-condensed scalar field dark matter and the gravitational wave background from inflation: New cosmological constraints and its detectability by LIGO

**Author(s):** Li, BH (Li, Bohua); Shapiro, PR (Shapiro, Paul R.); Rindler-Daller, T (Rindler-Daller, Tanja)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article**

**Number:** 063505 **DOI:** 10.1103/PhysRevD.96.063505 **Published:** SEP 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Collapse threshold for a cosmological Klein-Gordon field

**Author(s):** Hidalgo, JC (Carlos Hidalgo, Juan); De Santiago, J (De Santiago, Josue); German, G (German, Gabriel); Barbosa-Cendejas, N (Barbosa-Cendejas, Nandinii); Ruiz-Luna, W (Ruiz-Luna, Waldemar)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article**

**Number:** 063504 **DOI:** 10.1103/PhysRevD.96.063504 **Published:** SEP 6 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Self-gravitating black hole scalar wigs

**Author(s):** Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 2 **Article**

**Number:** 024049 **DOI:** 10.1103/PhysRevD.96.024049 **Published:** JUL 26 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Generalized second law of thermodynamic in modified teleparallel theory

**Author(s):** Zubair, M (Zubair, M.); Bahamonde, S (Bahamonde, Sebastian); Jamil, M (Jamil, Mubasher)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 77 **Issue:** 7 **Article**

**Number:** 472 **DOI:** 10.1140/epjc/s10052-017-5043-y **Published:** JUL 15 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Sourcing dark matter and dark energy from alpha-attractors

**Author(s):** Mishra, SS (Mishra, Swagat S.); Sahni, V (Sahni, Varun); Shtanov, Y (Shtanov, Yuri)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2017/06/045 **Published:** JUN 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** A new recipe for Lambda CDM

**Author(s):** Sahni, V (Sahni, Varun); Sen, AA (Sen, Anjan A.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 77 **Issue:** 4 **Article Number:** 225 **DOI:** 10.1140/epjc/s10052-017-4796-7 **Published:** APR 10 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Cosmological evolution of a complex scalar field with repulsive or attractive self-interaction

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 6 **Article Number:** 063515 **DOI:** 10.1103/PhysRevD.95.063515 **Published:** MAR 15 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Black hole formation from axion stars

**Author(s):** Helfer, T (Helfer, Thomas); Marsh, DJE (Marsh, David J. E.); Clough, K (Clough, Katy); Fairbairn, M (Fairbairn, Malcolm); Lim, EA (Lim, Eugene A.); Becerril, R (Becerril, Ricardo)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 3 **Article Number:** 055 **DOI:** 10.1088/1475-7516/2017/03/055 **Published:** MAR 2017

**Language:** English

**Document Type:** Article

ISSN: 1475-7516

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**Title:** Perturbations of ultralight vector field dark matter

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article**

**Number:** 064 **DOI:** 10.1007/JHEP02(2017)064 **Published:** FEB 13 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Neutrino propagation in the Galactic dark matter halo

**Author(s):** de Salas, PF (de Salas, P. F.); Lineros, RA (Lineros, R. A.); Tortola, M (Tortola, M.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 12 **Article**

**Number:** 123001 **DOI:** 10.1103/PhysRevD.94.123001 **Published:** DEC 1 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Time-dependent scalar fields as candidates for dark matter

**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article**

**Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Asymmetric condensed dark matter

**Author(s):** Aguirre, A (Aguirre, Anthony); Diez-Tejedor, A (Diez-Tejedor, Alberto)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

PHYSICS **Issue:** 4 **Article Number:** 019 **DOI:** 10.1088/1475-7516/2016/04/019 **Published:** APR 2016

**Language:** English

**Document Type:** Article

ISSN: 1475-7516

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**Title:** Cosmological perturbations in coherent oscillating scalar field models

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article**

**Number:** 013 **DOI:** 10.1007/JHEP03(2016)013 **Published:** MAR 3 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** CONTRASTING GALAXY FORMATION FROM QUANTUM WAVE DARK MATTER, psi DM, WITH Lambda CDM, USING PLANCK AND HUBBLE DATA

**Author(s):** Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom); Huang, KW (Huang, Kuan-Wei)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 818 **Issue:** 1 **Article**

**Number:** 89 **DOI:** 10.3847/0004-637X/818/1/89 **Published:** FEB 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Dynamical mechanism for ultralight scalar dark matter

**Author(s):** Alexandre, J (Alexandre, J.)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 12 **Article**

**Number:** 123524 **DOI:** 10.1103/PhysRevD.92.123524 **Published:** DEC 22 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Quasistationary solutions of self-gravitating scalar fields around collapsing stars

**Author(s):** Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Montero, PJ (Montero, Pedro J.); Font, JA (Font, Jose A.); Mewes, V (Mewes, Vassilios)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 8 **Article**

**Number:** 083001 **DOI:** 10.1103/PhysRevD.92.083001 **Published:** OCT 2 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Cosmological scalar field perturbations can grow

**Author(s):** Alcubierre, M (Alcubierre, Miguel); de la Macorra, A (de la Macorra, Axel); Diez-Tejedor, A (Diez-Tejedor, Alberto); Torres, JM (Torres, Jose M.)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 6 **Article**

**Number:** 063508 **DOI:** 10.1103/PhysRevD.92.063508 **Published:** SEP 8 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** A search for ultralight axions using precision cosmological data

**Author(s):** Hlozek, R (Hlozek, Renee); Grin, D (Grin, Daniel); Marsh, DJE (Marsh, David J. E.); Ferreira, PG (Ferreira, Pedro G.)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 10 **Article Number:** 103512 **DOI:** 10.1103/PhysRevD.91.103512 **Published:** MAY 15 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Rotation curves of ultralight BEC dark matter halos with rotation

**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 3 **Article Number:** 21 **DOI:** 10.1007/s10714-015-1865-9 **Published:** MAR 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Quasistationary solutions of self-gravitating scalar fields around black holes

**Author(s):** Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Montero, PJ (Montero, Pedro J.); Font, JA (Font, Jose A.)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 4 **Article**

**Number:** 043005 **DOI:** 10.1103/PhysRevD.91.043005 **Published:** FEB 23 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Cosmological nonlinear structure formation in full general relativity

**Author(s):** Torres, JM (Torres, Jose M.); Alcubierre, M (Alcubierre, Miguel); Diez-Tejedor, A (Diez-Tejedor, Alberto); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 12 **Article**

**Number:** 123002 **DOI:** 10.1103/PhysRevD.90.123002 **Published:** DEC 3 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** A survey of spherically symmetric spacetimes

**Author(s):** Parry, AR (Parry, Alan R.)

**Source:** ANALYSIS AND MATHEMATICAL PHYSICS **Volume:** 4 **Issue:** 4 **Pages:** 333-375 **DOI:** 10.1007/s13324-014-0085-x **Published:** DEC 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1664-2368

**eISSN:** 1664-235X

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**Title:** Small scale structures in coupled scalar field dark matter

**Author(s):** Beyer, J (Beyer, J.); Wetterich, C (Wetterich, C.)

**Source:** PHYSICS LETTERS B **Volume:** 738 **Pages:** 418-

**423 DOI:** 10.1016/j.physletb.2014.10.012 **Published:** NOV 10 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Wiggly tails: A gravitational wave signature of massive fields around black holes

**Author(s):** Degollado, JC (Carlos Degollado, Juan); Herdeiro, CAR (Herdeiro, Carlos A. R.)

**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 6 **Article Number:** 065019 **DOI:** 10.1103/PhysRevD.90.065019 **Published:** SEP 16 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Cosmological constraints on Bose-Einstein-condensed scalar field dark matter

**Author(s):** Li, BH (Li, Bohua); Rindler-Daller, T (Rindler-Daller, Tanja); Shapiro, PR (Shapiro, Paul R.)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 083536 **DOI:** 10.1103/PhysRevD.89.083536 **Published:** APR 30 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Schwarzschild scalar wigs: Spectral analysis and late time behavior

**Author(s):** Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Degollado, Juan Carlos); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Alcubierre, M (Alcubierre, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 083006 **DOI:** 10.1103/PhysRevD.89.083006 **Published:** APR 17 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Rotation curves of rotating Galactic Bose-Einstein condensate dark matter halos

**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.); Gonzalez-Aviles, JJ (Gonzalez-Aviles, J. J.); Rivera-Paleo, FJ (Rivera-Paleo, F. J.)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 6 **Article Number:** 063507 **DOI:** 10.1103/PhysRevD.89.063507 **Published:** MAR 5 2014

**Language:** English

**Document Type:** Article



**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Dark matter as a Bose-Einstein Condensate: the relativistic non-minimally coupled case  
**Author(s):** Bettoni, D (Bettoni, Dario); Colombo, M (Colombo, Mattia); Liberati, S (Liberati, Stefano)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 2 **Article Number:** 004 **DOI:** 10.1088/1475-7516/2014/02/004 **Published:** FEB 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** COMPLEX SCALAR FIELD DARK MATTER ON GALACTIC SCALES  
**Author(s):** Rindler-Daller, T (Rindler-Daller, Tanja); Shapiro, PR (Shapiro, Paul R.)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 29 **Issue:** 2 **Article Number:** 1430002 **DOI:** 10.1142/S021773231430002X **Published:** JAN 20 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Stability of BEC galactic dark matter halos  
**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.); Gonzalez-Aviles, JJ (Gonzalez-Aviles, J. J.); Rivera-Paleo, FJ (Rivera-Paleo, F. J.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 034 **DOI:** 10.1088/1475-7516/2013/09/034 **Published:** SEP 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Galaxy stability within a self-interacting dark matter halo  
**Author(s):** Saxton, CJ (Saxton, Curtis J.)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 430 **Issue:** 3 **Pages:** 1578-1598 **DOI:** 10.1093/mnras/sts689 **Published:** APR 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Phantom evolving wormholes with big rip singularities  
**Author(s):** Cataldo, M (Cataldo, Mauricio); Meza, P (Meza, Paola)  
**Source:** PHYSICAL REVIEW D **Volume:** 87 **Issue:** 6 **Article Number:** 064012 **DOI:** 10.1103/PhysRevD.87.064012 **Published:** MAR 8 2013

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Mass limits for dark clusters of degenerate fermions  
**Author(s):** Membrado, M (Membrado, M.); Pacheco, AF (Pacheco, A. F.)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 551 **Article Number:** A68 **DOI:** 10.1051/0004-6361/201219985 **Published:** MAR 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1432-0746

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**Title:** Modelling non-dust fluids in cosmology  
**Author(s):** Christopherson, AJ (Christopherson, Adam J.); Hidalgo, JC (Carlos Hidalgo, Juan); Malik, KA (Malik, Karim A.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2013/01/002 **Published:** JAN 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Ultrarelativistic Bose-Einstein gas on Lorentz symmetry violation  
**Author(s):** de Sales, JA (de Sales, J. A.); Costa-Soares, T (Costa-Soares, T.); Otoya, VJV (Vasquez Otoya, V. J.)  
**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 391 **Issue:** 22 **Pages:** 5422-5432 **DOI:** 10.1016/j.physa.2012.06.043 **Published:** NOV 15 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0378-4371  
**eISSN:** 1873-2119

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**Title:** Axion as a cold dark matter candidate: Low-mass case  
**Author(s):** Park, CG (Park, Chan-Gyung); Hwang, JC (Hwang, Jai-chan); Noh, H (Noh, Hyerim)  
**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 8 **Article Number:** 083535 **DOI:** 10.1103/PhysRevD.86.083535 **Published:** OCT 22 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Study of stability of relativistic ideal Bose-Einstein condensates  
**Author(s):** Briscese, F (Briscese, F.); Grether, M (Grether, M.); de Llano, M (de Llano, M.); Baker, GA (Baker, George A., Jr.)

**Source:** PHYSICS LETTERS A **Volume:** 376 **Issue:** 45 **Pages:** 2911-2916 **DOI:** 10.1016/j.physleta.2012.08.036 **Published:** OCT 1 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0375-9601

**eISSN:** 1873-2429

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**Title:** Schwarzschild Black Holes can Wear Scalar Wigs

**Author(s):** Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Alcubierre, M (Alcubierre, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 109 **Issue:** 8 **Article**

**Number:** 081102 **DOI:** 10.1103/PhysRevLett.109.081102 **Published:** AUG 22 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Cosmological hysteresis and the cyclic universe

**Author(s):** Sahni, V (Sahni, Varun); Toporensky, A (Toporensky, Aleksey)

**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 12 **Article**

**Number:** 123542 **DOI:** 10.1103/PhysRevD.85.123542 **Published:** JUN 26 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Angular momentum and vortex formation in Bose-Einstein-condensed cold dark matter haloes

**Author(s):** Rindler-Daller, T (Rindler-Daller, Tanja); Shapiro, PR (Shapiro, Paul R.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL

**SOCIETY Volume:** 422 **Issue:** 1 **Pages:** 135-161 **DOI:** 10.1111/j.1365-2966.2012.20588.x **Published:** MAY 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** On the mass of ultra-light bosonic dark matter from galactic dynamics

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan); Bernal, A (Bernal, Argelia); Sanchez-Salcedo, FJ (Sanchez-Salcedo, F. J.); Grebel, EK (Grebel, E. K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

**PHYSICS Issue:** 2 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2012/02/011 **Published:** FEB 2012

**Language:** English

**Document Type:** Article

ISSN: 1475-7516

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**Title:** Growth of perturbations in an expanding universe with Bose-Einstein condensate dark matter

**Author(s):** Chavanis, PH (Chavanis, P. H.)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 537 **Article**

**Number:** A127 **DOI:** 10.1051/0004-6361/201116905 **Published:** JAN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361

**eISSN:** 1432-0746

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**Title:** Quintessence interacting dark energy and a scalar dark fluid from 5D vacuum

**Author(s):** Reyes, LM (Reyes, L. M.); Aguilar, JEM (Madriz Aguilar, Jose Edgar)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 28 **Issue:** 21 **Article**

**Number:** 215007 **DOI:** 10.1088/0264-9381/28/21/215007 **Published:** NOV 7 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Are black holes a serious threat to scalar field dark matter models?

**Author(s):** Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Alcubierre, M (Alcubierre, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 8 **Article**

**Number:** 083008 **DOI:** 10.1103/PhysRevD.84.083008 **Published:** OCT 21 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** BEC dark matter, Zeldovich approximation, and generalized Burgers equation

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 6 **Article**

**Number:** 063518 **DOI:** 10.1103/PhysRevD.84.063518 **Published:** SEP 20 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with short-range interactions. I. Analytical results

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article**

**Number:** 043531 **DOI:** 10.1103/PhysRevD.84.043531 **Published:** AUG 29 2011

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Can noncommutative effects account for the present speed up of the cosmic expansion?

**Author(s):** Obregon, O (Obregon, Octavio); Quiros, I (Quiros, Israel)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article Number:** 044005 **DOI:** 10.1103/PhysRevD.84.044005 **Published:** AUG 2 2011

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Coupled dark energy and dark matter from dilatation anomaly

**Author(s):** Beyer, J (Beyer, J.); Nurmi, S (Nurmi, S.); Wetterich, C (Wetterich, C.)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 2 **Article Number:** 023010 **DOI:** 10.1103/PhysRevD.84.023010 **Published:** JUL 22 2011

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Interference pattern in the collision of structures in the Bose-Einstein condensate dark matter model: Comparison with fluids

**Author(s):** Gonzalez, JA (Gonzalez, J. A.); Guzman, FS (Guzman, F. S.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 10 **Article Number:** 103513 **DOI:** 10.1103/PhysRevD.83.103513 **Published:** MAY 10 2011

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Viability of complex self-interacting scalar field as dark matter

**Author(s):** Briscese, F (Briscese, F.)

**Source:** PHYSICS LETTERS B **Volume:** 696 **Issue:** 4 **Pages:** 315-320 **DOI:** 10.1016/j.physletb.2010.12.064 **Published:** FEB 7 2011

**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter

**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** LUKEWARM DARK MATTER: BOSE CONDENSATION OF ULTRALIGHT PARTICLES

**Author(s):** Lundgren, AP (Lundgren, Andrew P.); Bondarescu, M (Bondarescu, Mihai); Bondarescu, R (Bondarescu, Ruxandra); Balakrishna, J (Balakrishna, Jayashree)

**Source:** ASTROPHYSICAL JOURNAL LETTERS **Volume:** 715 **Issue:** 1 **Pages:** L35-L39 **DOI:** 10.1088/2041-8205/715/1/L35 **Published:** MAY 20 2010

**Language:** English

**Document Type:** Article

**ISSN:** 2041-8205

**eISSN:** 2041-8213

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**Title:** Minimum mass of galaxies from BEC or scalar field dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon); Lim, S (Lim, Sooil)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 007 **DOI:** 10.1088/1475-7516/2010/01/007 **Published:** JAN 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** f(R) theories of gravity

**Author(s):** Sotiriou, TP (Sotiriou, Thomas P.); Faraoni, V (Faraoni, Valerio)

**Source:** REVIEWS OF MODERN PHYSICS **Volume:** 82 **Issue:** 1 **Pages:** 451-497 **DOI:** 10.1103/RevModPhys.82.451 **Published:** JAN-MAR 2010

**Language:** English

**Document Type:** Article

**ISSN:** 0034-6861

**eISSN:** 1539-0756

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**Title:** Are galaxies extending?

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** PHYSICS LETTERS B **Volume:** 681 **Issue:** 2 **Pages:** 118-121 **DOI:** 10.1016/j.physletb.2009.10.005 **Published:** OCT 26 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Is Dark Matter a BEC or Scalar Field?

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 54 **Issue:** 6 **Special Issue:** SI **Pages:** 2622-2625 **DOI:** 10.3938/jkps.54.2622 **Part:** 1 **Published:** JUN 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0374-4884

**eISSN:** 1976-8524

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**Title:** Simplified quartessence cosmology

**Author(s):** Lima, JAS (Lima, J. A. S.); Cunha, JV (Cunha, J. V.); Alcaniz, JS (Alcaniz, J. S.)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 31 **Issue:** 3 **Pages:** 233-236 **DOI:** 10.1016/j.astropartphys.2009.01.004 **Published:** APR 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0927-6505

**eISSN:** 1873-2852

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**Title:** A simplified approach for Chaplygin-type cosmologies

**Author(s):** Lima, JAS (Lima, J. A. S.); Alcaniz, JS (Alcaniz, J. S.); Cunha, JV (Cunha, J. V.)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 30 **Issue:** 4 **Pages:** 196-199 **DOI:** 10.1016/j.astropartphys.2008.09.004 **Published:** NOV 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0927-6505

**eISSN:** 1873-2852

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**Title:** Affine equation of state from quintessence and k-essence fields

**Author(s):** Quercellini, C (Quercellini, Claudia); Bruni, M (Bruni, Marco); Balbi, A (Balbi, Amedeo)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 24 **Issue:** 22 **Pages:** 5413-5425 **DOI:** 10.1088/0264-9381/24/22/006 **Published:** NOV 21 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Challenging the cosmological constant

**Author(s):** Kaloper, N (Kaloper, Nemanja)

**Source:** PHYSICS LETTERS B **Volume:** 653 **Issue:** 2-4 **Pages:** 109-115 **DOI:** 10.1016/j.physletb.2007.07.061 **Published:** SEP 30 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Quasinormal modes of gravitational perturbation around a Schwarzschild black hole surrounded by quintessence

**Author(s):** Zhang, Y (Zhang, Yu); Gui, YX (Gui, Y. X.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 23 **Issue:** 22 **Pages:** 6141-6147 **DOI:** 10.1088/0264-9381/23/22/004 **Published:** NOV 21 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Scalar field dark matter: Head-on interaction between two structures

**Author(s):** Bernal, A (Bernal, Argelia); Guzman, FS (Guzman, F. Siddhartha)

**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 10 **Article Number:** 103002 **DOI:** 10.1103/PhysRevD.74.103002 **Published:** NOV 2006

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Scalar field dark matter: Nonspherical collapse and late-time behavior

**Author(s):** Bernal, A (Bernal, Argelia); Guzman, FS (Guzman, F. Siddhartha)

**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 6 **Article Number:** 063504 **DOI:** 10.1103/PhysRevD.74.063504 **Published:** SEP 2006

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Coupling quintessence to inflation in supergravity

**Author(s):** Brax, P (Brax, P); Martin, J (Martin, J)

**Source:** PHYSICAL REVIEW D **Volume:** 71 **Issue:** 6 **Article Number:** 063530 **DOI:** 10.1103/PhysRevD.71.063530 **Published:** MAR 2005

**Language:** English

**Document Type:** Review

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Measuring the chaplygin gas equation of state from angular and luminosity distances

**Author(s):** Alcaniz, JS (Alcaniz, JS); Lima, JAS (Lima, JAS)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 618 **Issue:** 1 **Pages:** 16-22 **DOI:** 10.1086/425860 **Part:** 1 **Published:** JAN 1 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Maxwell-Boltzmann gas with nonstandard self-interactions: A novel approach to galactic dark matter  
**Author(s):** Balakin, A (Balakin, A); Sussman, RA (Sussman, RA); Zimdahl, W (Zimdahl, W)  
**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 6 **Article Number:** 064027 **DOI:** 10.1103/PhysRevD.70.064027 **Published:** SEP 15 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Cosmological constraints on Chaplygin gas dark energy from galaxy cluster x-ray and supernova data  
**Author(s):** Cunha, JV (Cunha, JV); Alcaniz, JS (Alcaniz, JS); Lima, JAS (Lima, JAS)  
**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 8 **Article Number:** 083501 **DOI:** 10.1103/PhysRevD.69.083501 **Published:** APR 15 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Constraints on Chaplygin quartessence from the CLASS gravitational lens statistics and supernova data  
**Author(s):** Dev, A (Dev, A); Jain, D (Jain, D); Alcaniz, JS (Alcaniz, JS)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 417 **Issue:** 3 **Pages:** 847-852 **DOI:** 10.1051/0004-6361:20035627 **Published:** APR 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-6361  
**eISSN:** 1432-0746

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**Title:** Observability of gamma rays from neutralino annihilations in the Milky Way substructure  
**Author(s):** Koushiappas, SM (Koushiappas, SM); Zentner, AR (Zentner, AR); Walker, TP (Walker, TP)  
**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 4 **Article Number:** 043501 **DOI:** 10.1103/PhysRevD.69.043501 **Published:** FEB 2004  
**Language:** English  
**Document Type:** Review  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Galactic halos of fluid dark matter  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article Number:** 023511 **DOI:** 10.1103/PhysRevD.68.023511 **Published:** JUL 15 2003  
**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Symmetries leading to inflation

**Author(s):** Aguirregabiria, JM (Aguirregabiria, JM); Chimento, LP (Chimento, LP); Jakubi, AS (Jakubi, AS); Lazkoz, R (Lazkoz, R)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 8 **Article**

**Number:** 083518 **DOI:** 10.1103/PhysRevD.67.083518 **Published:** APR 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** High-redshift objects and the generalized Chaplygin gas

**Author(s):** Alcaniz, JS (Alcaniz, JS); Jain, D (Jain, D); Dev, A (Dev, A)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 4 **Article**

**Number:** 043514 **DOI:** 10.1103/PhysRevD.67.043514 **Published:** FEB 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Numerical evidence for "multiscalar stars"

**Author(s):** Hawley, SH (Hawley, SH); Choptuik, MW (Choptuik, MW)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 2 **Article**

**Number:** 024010 **DOI:** 10.1103/PhysRevD.67.024010 **Published:** JAN 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Curvature of the universe and the dark energy potential

**Author(s):** del Campo, S (del Campo, S)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 12 **Article**

**Number:** 123513 **DOI:** 10.1103/PhysRevD.66.123513 **Published:** DEC 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Quintessence model and observational constraints

**Author(s):** Gong, YG (Gong, YG)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 17 **Pages:** 4537-4541 **Article Number:** PII S0264-9381(02)37071-0 **DOI:** 10.1088/0264-9381/19/17/305 **Published:** SEP 7 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

eISSN: 1361-6382

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**Title:** Generalized Chaplygin gas, accelerated expansion, and dark-energy-matter unification

**Author(s):** Bento, MC (Bento, MC); Bertolami, O (Bertolami, O); Sen, AA (Sen, AA)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article**

**Number:** 043507 **DOI:** 10.1103/PhysRevD.66.043507 **Published:** AUG 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Planck-scale quintessence and the physics of structure formation

**Author(s):** Skordis, C (Skordis, C); Albrecht, A (Albrecht, A)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article**

**Number:** 043523 **DOI:** 10.1103/PhysRevD.66.043523 **Published:** AUG 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Inflation, cold dark matter, and the central density problem

**Author(s):** Zentner, AR (Zentner, AR); Bullock, JS (Bullock, JS)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article**

**Number:** 043003 **DOI:** 10.1103/PhysRevD.66.043003 **Published:** AUG 15 2002

**Language:** English

**Document Type:** Review

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Quintessence and dark matter created by Weyl-Dirac geometry

**Author(s):** Israelit, M (Israelit, M)

**Source:** FOUNDATIONS OF PHYSICS **Volume:** 32 **Issue:** 6 **Article Number:** UNSP  
0015-9018/02/0600-0945 **DOI:** 10.1023/A:1016063430245 **Published:** JUN 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0015-9018

**eISSN:** 1572-9516

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**Title:** Quintessence cosmology and the cosmic coincidence

**Author(s):** Bludman, SA (Bludman, SA); Roos, M (Roos, M)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 4 **Article**

**Number:** 043503 **DOI:** 10.1103/PhysRevD.65.043503 **Published:** FEB 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 0556-2821

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**Title:** Quintessential halos around galaxies  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article Number:** 123528 **DOI:** 10.1103/PhysRevD.64.123528 **Published:** DEC 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Cosmological parameter determination from counts of galaxies  
**Author(s):** Podariu, S (Podariu, S); Ratra, B (Ratra, B)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 563 **Issue:** 1 **Pages:** 28-33 **DOI:** 10.1086/323698 **Part:** 1 **Published:** DEC 10 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

2.1.a.54. Tonatiuh Matos and F. Siddhartha Guzmán. Scalar Dark Matter in Spiral Galaxies. Rev. Mex. A.A. 37, (2001), 63 -72. Available at: astro-ph/ 9811143.

13 citas

**Title:** One-parametric description for scalar field dark matter potentials  
**Author(s):** Cedeno, FXL (Linares Cedeno, Francisco X.); Urena-Lopez, LA (Urena-Lopez, Luis Arturo)  
**Source:** ASTRONOMISCHE NACHRICHTEN **Volume:** 342 **Issue:** 1-2 **Special Issue:** SI **Pages:** 404-410 **DOI:** 10.1002/asna.202113942 **Early Access Date:** FEB 2021 **Published:** JAN 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-6337  
**eISSN:** 1521-3994

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**Title:** Static Solutions in 5D Brans-Dicke Gravity Coupled with SO(3) Scalar Fields  
**Author(s):** Lee, TH (Lee, Tae Hoon)  
**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 77 **Issue:** 9 **Pages:** 748-753 **DOI:** 10.3938/jkps.77.748 **Published:** NOV 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0374-4884  
**eISSN:** 1976-8524

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**Title:** Massive and massless scalar field models for Kaluza-Klein universe in  $f(R, T)$  gravity  
**Author(s):** Aktas, C (Aktas, Can)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 34 **Issue:** 11 **Article Number:** 1950066 **DOI:** 10.1142/S0217732319500664 **Published:** APR 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Can dark matter be a scalar field?  
**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Malatrasi, JLG (Malatrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Bianchi VI (h) with variable gravitational and cosmological constants  
**Author(s):** Belinchon, JA (Belinchon, J. A.)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 349 **Issue:** 1 **Pages:** 501-527 **DOI:** 10.1007/s10509-013-1622-z **Published:** JAN 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Self-similar scalar cosmologies  
**Author(s):** Belinchon, JA (Belinchon, J. A.)  
**Source:** GRAVITATION & COSMOLOGY **Volume:** 19 **Issue:** 4 **Pages:** 246-256 **DOI:** 10.1134/S0202289313040026 **Published:** OCT 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0202-2893  
**eISSN:** 1995-0721

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**Title:** Bianchi I in scalar and scalar-tensor cosmologies  
**Author(s):** Belinchon, JA (Belinchon, Jose A.)  
**Source:** CENTRAL EUROPEAN JOURNAL OF PHYSICS **Volume:** 10 **Issue:** 4 **Pages:** 789-798 **DOI:** 10.2478/s11534-012-0087-y **Published:** AUG 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1895-1082  
**eISSN:** 1644-3608

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**Title:** The Decay of Massive Scalar Field in Non-Static Godel Type Universe with Viscous Fluid and Heat Flow

**Author(s):** Aygun, S (Ayguen, S.); Tarhan, I (Tarhan, I.)  
**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 47 **Issue:** 12 **Pages:** 3257-3266 **DOI:** 10.1007/s10773-008-9761-7 **Published:** DEC 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0020-7748  
**eISSN:** 1572-9575

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**Title:** Scalar field theory and energy-momentum problem of Yilmaz-Rosen metric in general relativity and teleparallel gravity  
**Author(s):** Aygun, S (Aygun, Sezgin); Tarhan, I (Tarhan, Ismail); Baysal, H (Baysal, Huesnue)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 314 **Issue:** 4 **Pages:** 323-330 **DOI:** 10.1007/s10509-008-9773-z **Published:** APR 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Cosmic string spacetime in dilaton gravity and flat rotation curves  
**Author(s):** Lee, TH (Lee, TH)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 19 **Issue:** 39 **Pages:** 2929-2940 **DOI:** 10.1142/S0217732304016251 **Published:** DEC 21 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Scalar-tensor gravity coupled to a global monopole and flat rotation curves  
**Author(s):** Lee, TH (Lee, TH); Lee, BJ (Lee, BJ)  
**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 12 **Article Number:** 127502 **DOI:** 10.1103/PhysRevD.69.127502 **Published:** JUN 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Galactic halos of fluid dark matter  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article Number:** 023511 **DOI:** 10.1103/PhysRevD.68.023511 **Published:** JUL 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Quintessential halos around galaxies  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 64 **Issue:** 12 **Article**  
**Number:** 123528 **DOI:** 10.1103/PhysRevD.64.123528 **Published:** DEC 15 2001  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** On exact analytical solution of Einstein-Maxwell-scalar field equations  
**Author(s):** Turimov, B (Turimov, Bobur); Ahmedov, B (Ahmedov, Bobomurat); Stuchlik, Z (Stuchlik, Zdenek)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 33 **Article**  
**Number:** 100868 **DOI:** 10.1016/j.dark.2021.100868 **Published:** SEP 2021  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2212-6864

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**Title:** Relativistic images of Schwarzschild black hole lensing  
**Author(s):** Virbhadra, KS (Virbhadra, K. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 79 **Issue:** 8 **Article**  
**Number:** 083004 **DOI:** 10.1103/PhysRevD.79.083004 **Published:** APR 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Time delay and magnification centroid due to gravitational lensing by black holes and naked singularities  
**Author(s):** Virbhadra, KS (Virbhadra, K. S.); Keeton, CR (Keeton, C. R.)  
**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 12 **Article**  
**Number:** 124014 **DOI:** 10.1103/PhysRevD.77.124014 **Published:** JUN 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Degeneracy in exotic gravitational lensing  
**Author(s):** Safonova, M (Safonova, M); Torres, DF (Torres, DF)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 17 **Issue:** 26 **Pages:** 1685-1692 **DOI:** 10.1142/S0217732302008083 **Published:** AUG 30 2002  
**Language:** English  
**Document Type:** Article

ISSN: 0217-7323

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**Title:** Solution generating in scalar-tensor theories with a massless scalar field and stiff perfect fluid as a source

**Author(s):** Yazadjiev, SS (Yazadjiev, SS)

**Source:** PHYSICAL REVIEW D **Volume:** 65 **Issue:** 8 **Article**

**Number:** 084023 **DOI:** 10.1103/PhysRevD.65.084023 **Part:** A **Published:** APR 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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31 citas

**Title:** Cosmological test on viscous bulk models using Hubble parameter measurements and type Ia supernovae data

**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **Article**

**Number:** 751 **DOI:** 10.1140/epjc/s10052-019-7264-8 **Published:** SEP 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Oscillatons described by self-interacting quartic scalar fields

**Author(s):** Mahmoodzadeh, A (Mahmoodzadeh, A.); Malekolkalami, B (Malekolkalami, B.)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 19 **Pages:** 21-26 **DOI:** 10.1016/j.dark.2017.11.001 **Published:** MAR 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties

**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 3 **Article**

**Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Time-dependent scalar fields as candidates for dark matter  
**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Scalar field with the source in the form of the stress-energy tensor trace as a dark energy model  
**Author(s):** Dudko, I (Dudko, I. G.); Vyblyi, Y (Vyblyi, Yu. P.)  
**Source:** GRAVITATION & COSMOLOGY **Volume:** 22 **Issue:** 4 **Pages:** 368-373 **DOI:** 10.1134/S020228931604006X **Published:** OCT 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0202-2893  
**eISSN:** 1995-0721

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**Title:** Gravitational collapse of Bose-Einstein condensate dark matter halos  
**Author(s):** Harko, T (Harko, Tiberiu)  
**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 084040 **DOI:** 10.1103/PhysRevD.89.084040 **Published:** APR 8 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Cosmological evolution of finite temperature Bose-Einstein condensate dark matter  
**Author(s):** Harko, T (Harko, Tiberiu); Mocanu, G (Mocanu, Gabriela)  
**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 8 **Article Number:** 084012 **DOI:** 10.1103/PhysRevD.85.084012 **Published:** APR 12 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Could pressureless dark matter have pressure?  
**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.)  
**Source:** ASTROPARTICLE PHYSICS **Volume:** 35 **Issue:** 9 **Pages:** 547-551 **DOI:** 10.1016/j.astropartphys.2012.01.001 **Published:** APR 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0927-6505  
**eISSN:** 1873-2852

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**Title:** Brane-f(R) gravity and dark matter

**Author(s):** Sefiedgar, AS (Sefiedgar, A. S.); Haghani, Z (Haghani, Z.); Sepangi, HR (Sepangi, H. R.)

**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 6 **Article**

**Number:** 064012 **DOI:** 10.1103/PhysRevD.85.064012 **Published:** MAR 8 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** General properties and exact models of static self-gravitating scalar field configurations

**Author(s):** Solovyev, DA (Solovyev, Dmitry A.); Tsirulev, AN (Tsirulev, Alexander N.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 29 **Issue:** 5 **Article**

**Number:** 055013 **DOI:** 10.1088/0264-9381/29/5/055013 **Published:** MAR 7 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Finite temperature effects in Bose-Einstein condensed dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu); Madarassy, EJM (Madarassy, Eniko J. M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

**PHYSICS Issue:** 1 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2012/01/020 **Published:** JAN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Two-fluid dark matter models

**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 12 **Article**

**Number:** 124051 **DOI:** 10.1103/PhysRevD.83.124051 **Published:** JUN 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Evolution of cosmological perturbations in Bose-Einstein condensate dark matter

**Author(s):** Harko, T (Harko, T.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL

**SOCIETY Volume:** 413 **Issue:** 4 **Pages:** 3095-3104 **DOI:** 10.1111/j.1365-2966.2011.18386.x **Published:** JUN 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Self-gravitating system made of axions  
**Author(s):** Barranco, J (Barranco, J.); Bernal, A (Bernal, A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 4 **Article**  
**Number:** 043525 **DOI:** 10.1103/PhysRevD.83.043525 **Published:** FEB 23 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** BRANEWORLDS AND DARK MATTER  
**Author(s):** Shahidi, S (Shahidi, Shahab); Sepangi, HR (Sepangi, Hamid Reza)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 20 **Issue:** 1 **Pages:** 77-  
91 **DOI:** 10.1142/S0218271811018627 **Published:** JAN 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Mass loss and longevity of gravitationally bound oscillating scalar lumps (oscillatons)  
in D dimensions  
**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 6 **Article**  
**Number:** 064029 **DOI:** 10.1103/PhysRevD.81.064029 **Published:** MAR 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Remarks on the spherical scalar field halo in galaxies  
**Author(s):** Nandi, KK (Nandi, Kamal K.); Valitov, I (Valitov, Ildar); Migranov, NG  
(Migranov, Nail G.)  
**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 4 **Article**  
**Number:** 047301 **DOI:** 10.1103/PhysRevD.80.047301 **Published:** AUG 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** IS DARK MATTER AN EXTRA-DIMENSIONAL EFFECT?  
**Author(s):** Kahil, ME (Kahil, M. E.); Harko, T (Harko, T.)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 24 **Issue:** 9 **Pages:** 667-  
682 **DOI:** 10.1142/S0217732309028667 **Published:** MAR 21 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323

eISSN: 1793-6632

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**Title:** Spherical scalar-tensor galaxy model

**Author(s):** Cervantes-Cota, JL (Cervantes-Cota, Jorge L.); Rodriguez-Meza, MA (Rodriguez-Meza, Mario A.); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 79 **Issue:** 6 **Article Number:** 064011 **DOI:** 10.1103/PhysRevD.79.064011 **Published:** MAR 2009

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Galactic metric, dark radiation, dark pressure, and gravitational lensing in brane world models

**Author(s):** Harko, T (Harko, T); Cheng, KS (Cheng, KS)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 636 **Issue:** 1 **Pages:** 8-20 **DOI:** 10.1086/498141 **Part:** 1 **Published:** JAN 1 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Can the rotation of the dark matter halo of our galaxy be detected through its effect on the cosmic microwave background polarization? art. no. 006

**Author(s):** Nag, P (Nag, P); Bharadwaj, S (Bharadwaj, S); Kar, S (Kar, S)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 006 **DOI:** 10.1088/1475-7516/2005/07/006 **Published:** JUL 2005

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Potential-density pairs for axisymmetric galaxies: the influence of scalar fields

**Author(s):** Rodriguez-Meza, MA (Rodriguez-Meza, MA); Cervantes-Cota, JL (Cervantes-Cota, JL); Pedraza, MI (Pedraza, MI); Tlapanco, JF (Tlapanco, JF); Del la Calleja, EM (Del la Calleja, EM)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 37 **Issue:** 4 **Pages:** 823-829 **DOI:** 10.1007/s10714-005-0067-2 **Published:** APR 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Can extra-dimensional effects replace dark matter?

**Author(s):** Pal, S (Pal, S); Bharadwaj, S (Bharadwaj, S); Kar, S (Kar, S)

**Source:** PHYSICS LETTERS B **Volume:** 609 **Issue:** 3-4 **Pages:** 194-199 **DOI:** 10.1016/j.physletb.2005.01.043 **Published:** MAR 10 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Can the galactic rotation curves be explained in brane world models?

**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)

**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 2 **Article**

**Number:** 024010 **DOI:** 10.1103/PhysRevD.70.024010 **Published:** JUL 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Potential-density pairs for spherical galaxies and bulges: the influence of scalar fields

**Author(s):** Rodriguez-Meza, MA (Rodriguez-Meza, MA); Cervantes-Cota, JL (Cervantes-Cota, JL)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 350 **Issue:** 2 **Pages:** 671-678 **DOI:** 10.1111/j.1365-2966.2004.07674.x **Published:** MAY 11 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Isotropization of Bianchi class A models with a minimally coupled scalar field and a perfect fluid

**Author(s):** Fay, S (Fay, S)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 21 **Issue:** 6 **Pages:** 1609-1621 **Article Number:** PII S0264-9381(04)71172-7 **DOI:** 10.1088/0264-9381/21/6/020 **Published:** MAR 21 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Scalar fields properties for flat galactic rotation curves

**Author(s):** Fay, S (Fay, S)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 413 **Issue:** 3 **Pages:** 799-805 **DOI:** 10.1051/0004-6361:20031540 **Published:** JAN 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361

**eISSN:** 1432-0746

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**Title:** Modeling galaxy halos using dark matter with pressure  
**Author(s):** Bharadwaj, S (Bharadwaj, S); Kar, S (Kar, S)  
**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article Number:** 023516 **DOI:** 10.1103/PhysRevD.68.023516 **Published:** JUL 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** On the spin of gravitational bosons  
**Author(s):** Ahluwalia, DV (Ahluwalia, DV); Dadhich, N (Dadhich, N); Kirchbach, M (Kirchbach, M)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 11 **Issue:** 10 **Pages:** 1621-1634 **DOI:** 10.1142/S0218271802003031 **Published:** DEC 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718

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**Title:** Supermassive black holes in scalar field galaxy halos  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA); Liddle, AR (Liddle, AR)  
**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 8 **Article Number:** 083005 **DOI:** 10.1103/PhysRevD.66.083005 **Published:** OCT 15 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Oscillatons revisited  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 19 **Issue:** 10 **Pages:** 2617-2632 **Article Number:** PII S0264-9381(02)29879-2 **DOI:** 10.1088/0264-9381/19/10/307 **Published:** MAY 21 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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8 citas

**Title:** Linearized modified gravity theories with a cosmological term: advance of perihelion and deflection of light

**Author(s):** Ozer, H (Ozer, Hatice); Delice, O (Delice, Ozgur)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 35 **Issue:** 6 **Article Number:** 065002 **DOI:** 10.1088/1361-6382/aaa633 **Published:** MAR 22 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Straight spinning cosmic strings in Brans-Dicke gravity

**Author(s):** dos Santos, SM (Mittmann dos Santos, S.); da Silva, JMH (Hoff da Silva, J. M.); Cindra, JL (Cindra, J. L.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 33 **Issue:** 9 **Article Number:** 1850051 **DOI:** 10.1142/S0217732318500517 **Published:** MAR 21 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** A nearly cylindrically symmetric source in Brans-Dicke gravity as the generator of the rotational curves of the galaxies

**Author(s):** Santos, SM (Mittmann dos Santos, S.); da Silva, JMH (Hoff da Silva, J. M.); Guimaraes, MEX (Guimaraes, M. E. X.); Neto, JL (Neto, J. L.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 77 **Issue:** 12 **Article Number:** 848 **DOI:** 10.1140/epjc/s10052-017-5397-1 **Published:** DEC 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Single scale factor for the universe from the creation of radiation and matter till the present

**Author(s):** Erdem, R (Erdem, Recai)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 74 **Issue:** 9 **Article Number:** 3066 **DOI:** 10.1140/epjc/s10052-014-3066-1 **Published:** SEP 23 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Slowly rotating dilaton black hole in anti-de Sitter spacetime

**Author(s):** Ghosh, T (Ghosh, Tanwi); SenGupta, S (SenGupta, Soumitra)

**Source:** PHYSICAL REVIEW D **Volume:** 76 **Issue:** 8 **Article Number:** 087504 **DOI:** 10.1103/PhysRevD.76.087504 **Published:** OCT 2007

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** On the contributions from dilatonic strings to the flat behavior of the rotational curves in galaxies

**Author(s):** Costa, ML (Leineker Costa, M.); Oliveira, ALN (Oliveira, A. L. N.); Guimaraes, MEX (Guimaraes, M. E. X.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 15 **Issue:** 3 **Pages:** 387-394 **DOI:** 10.1142/S0218271806007924 **Published:** MAR 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Galactic metrics

**Author(s):** Roberts, MA (Roberts, MA)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 36 **Issue:** 11 **Pages:** 2423-2431 **DOI:** 10.1023/B:GERG.0000046830.85831.4a **Published:** NOV 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Asymptotically non-flat rotating dilaton black holes

**Author(s):** Ghosh, T (Ghosh, T); Mitra, P (Mitra, P)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 20 **Issue:** 7 **Pages:** 1403-1410 **Article Number:** PII S0264-9381(03)57322-1 **DOI:** 10.1088/0264-9381/20/7/311 **Published:** APR 7 2003

**Language:** English

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**ISSN:** 0264-9381

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36 citas

**Title:** Two models unifying warm inflation with dark matter and dark energy

**Author(s):** Zhang, XM (Zhang, Xiao-Min); Li, K (Li, Kai); Guo, YF (Guo, Yi-Fu); Chu, PC (Chu, Peng-Cheng); Liu, H (Liu, He); Zhu, JY (Zhu, Jian-Yang)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 10 **Article Number:** 103513 **DOI:** 10.1103/PhysRevD.104.103513 **Published:** NOV 16 2021

**Language:** English

**Document Type:** Article



ISSN: 2470-0010  
eISSN: 2470-0029

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**Title:** Gravitational wave constraints on the primordial black hole dominated early universe  
**Author(s):** Domenech, G (Domenech, Guillem); Lin, CS (Lin, Chunshan); Sasaki, M (Sasaki, Misao)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 4 **Article Number:** 062 **DOI:** 10.1088/1475-7516/2021/04/062 **Published:** APR 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Generalized scalar field cosmologies: a global dynamical systems formulation  
**Author(s):** Leon, G (Leon, Genly); Silva, FOF (Silva, Felipe Orlando Franz)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 1 **Article Number:** 015004 **DOI:** 10.1088/1361-6382/abc095 **Published:** JAN 8 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Stability of a modified Jordan-Brans-Dicke theory in the dilatonic frame  
**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos); Abab, LV (Velazquez Abab, Luisberis)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 52 **Issue:** 7 **Article Number:** 71 **DOI:** 10.1007/s10714-020-02718-7 **Published:** JUL 14 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Extended phase-space analysis of the Horava-Lifshitz cosmology  
**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **Article Number:** 746 **DOI:** 10.1140/epjc/s10052-019-7236-z **Published:** SEP 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Dark matter interpretation of the ANITA anomalous events  
**Author(s):** Heurtier, L (Heurtier, Lucien); Mambrini, Y (Mambrini, Yann); Pierre, M (Pierre, Mathias)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 9 **Article Number:** 095014 **DOI:** 10.1103/PhysRevD.99.095014 **Published:** MAY 17 2019  
**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** A de Sitter tachyonic braneworld revisited

**Author(s):** Barbosa-Cendejas, N (Barbosa-Cendejas, Nandinii); Cartas-Fuentevilla, R (Cartas-Fuentevilla, Roberto); Herrera-Aguilar, A (Herrera-Aguilar, Alfredo); Mora-Luna, RR (Rigel Mora-Luna, Refugio); da Rocha, R (da Rocha, Roldao)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 005 **DOI:** 10.1088/1475-7516/2018/01/005 **Published:** JAN 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Dark matter from  $f(R, T)$  gravity

**Author(s):** Zaregonbadi, R (Zaregonbadi, Raziye); Farhoudi, M (Farhoudi, Mehrdad); Riazi, N (Riazi, Nematollah)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article Number:** 084052 **DOI:** 10.1103/PhysRevD.94.084052 **Published:** OCT 28 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Primordial black holes as dark matter

**Author(s):** Carr, B (Carr, Bernard); Kuhnel, F (Kuhnel, Florian); Sandstad, M (Sandstad, Marit)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article Number:** 083504 **DOI:** 10.1103/PhysRevD.94.083504 **Published:** OCT 4 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Mass decomposition of SLACS lens galaxies in Weyl conformal gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, RN (Izmailov, Ramil N.); Nandi, KK (Nandi, Kamal K.)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 12 **Article Number:** 124070 **DOI:** 10.1103/PhysRevD.93.124070 **Published:** JUN 28 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Revisiting perfect fluid dark matter: Observational constraints from our galaxy

**Author(s):** Potapov, AA (Potapov, Alexander A.); Garipova, GM (Garipova, Guzel M.); Nandi, KK (Nandi, Kamal K.)

**Source:** PHYSICS LETTERS B **Volume:** 753 **Pages:** 140-146 **DOI:** 10.1016/j.physletb.2015.11.057 **Published:** FEB 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Stability of a tachyon braneworld

**Author(s):** German, G (German, Gabriel); Herrera-Aguilar, A (Herrera-Aguilar, Alfredo); Kuerten, AM (Martorano Kuerten, Andre); Malagon-Morejon, D (Malagon-Morejon, Dagoberto); da Rocha, R (da Rocha, Roldao)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 047 **DOI:** 10.1088/1475-7516/2016/01/047 **Published:** JAN 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Constraint on dark matter central density in the Eddington inspired Born-Infeld (EiBI) gravity with input from Weyl gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, R (Izmailov, Ramil); Mikolaychuk, O (Mikolaychuk, Olga); Mikolaychuk, N (Mikolaychuk, Nikolay); Ghosh, M (Ghosh, Mithun); Nandi, KK (Nandi, Kamal K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 018 **DOI:** 10.1088/1475-7516/2015/07/018 **Published:** JUL 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** An Exact Class of Bulk Field Potentials onto the 5D-Warp of de Sitter Spacetime

**Author(s):** Dariescu, MA (Dariescu, Marina-Aura); Dariescu, C (Dariescu, Ciprian)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 53 **Issue:** 9 **Pages:** 3239-3245 **DOI:** 10.1007/s10773-014-2121-x **Published:** SEP 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** Dynamical analysis of anisotropic scalar-field cosmologies for a wide range of potentials

**Author(s):** Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Saridakis, EN (Saridakis, Emmanuel N.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 7 **Article Number:** 075018 **DOI:** 10.1088/0264-9381/31/7/075018 **Published:** APR 7 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Mass hierarchy, mass gap and corrections to Newton's law on thick branes with Poincare symmetry

**Author(s):** Barbosa-Cendejas, N (Barbosa-Cendejas, Nandini); Herrera-Aguilar, A (Herrera-Aguilar, Alfredo); Kanakoglou, K (Kanakoglou, Konstantinos); Nucamendi, U (Nucamendi, Ulises); Quiros, I (Quiros, Israel)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 1 **Article Number:** 1631 **DOI:** 10.1007/s10714-013-1631-9 **Published:** JAN 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Asymptotic behavior of a scalar field with an arbitrary potential trapped on a Randall-Sundrum's braneworld: the effect of a negative dark radiation term on a Bianchi I brane

**Author(s):** Escobar, D (Escobar, Dagoberto); Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 349 **Issue:** 1 **Pages:** 575-602 **DOI:** 10.1007/s10509-013-1650-8 **Published:** JAN 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Thawing models in the presence of a generalized Chaplygin gas

**Author(s):** del Campo, S (del Campo, Sergio); Fadrugas, CR (Fadrugas, Carlos R.); Herrera, R (Herrera, Ramon); Leiva, C (Leiva, Carlos); Leon, G (Leon, Genly); Saavedra, J (Saavedra, Joel)

**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 2 **Article Number:** 023532 **DOI:** 10.1103/PhysRevD.88.023532 **Published:** JUL 26 2013

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Can Inflation, Dark Matter and Dark Energy Be Described in Terms of a Single, Real Scalar Field?

**Author(s):** Ebrahimi, E (Ebrahimi, E.); Riazi, N (Riazi, N.)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 51 **Issue:** 5 **Pages:** 1579-1590 **DOI:** 10.1007/s10773-011-1035-0 **Published:** MAY 2012

**Language:** English  
**Document Type:** Article

**ISSN:** 0020-7748  
**eISSN:** 1572-9575

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**Title:** Brane-f(R) gravity and dark matter  
**Author(s):** Sefiedgar, AS (Sefiedgar, A. S.); Haghani, Z (Haghani, Z.); Sepangi, HR (Sepangi, H. R.)  
**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 6 **Article Number:** 064012 **DOI:** 10.1103/PhysRevD.85.064012 **Published:** MAR 8 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** BRANEWORLDS AND DARK MATTER  
**Author(s):** Shahidi, S (Shahidi, Shahab); Sepangi, HR (Sepangi, Hamid Reza)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 20 **Issue:** 1 **Pages:** 77-91 **DOI:** 10.1142/S0218271811018627 **Published:** JAN 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Induced gravity and the attractor dynamics of dark energy/dark matter  
**Author(s):** Cervantes-Cota, JL (Cervantes-Cota, Jorge L.); de Putter, R (de Putter, Roland); Linder, EV (Linder, Eric V.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 12 **Article Number:** 019 **DOI:** 10.1088/1475-7516/2010/12/019 **Published:** DEC 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** New cosmological constraints on primordial black holes  
**Author(s):** Carr, BJ (Carr, B. J.); Kohri, K (Kohri, Kazunori); Sendouda, Y (Sendouda, Yuuiti); Yokoyama, J (Yokoyama, Junichi)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 10 **Article Number:** 104019 **DOI:** 10.1103/PhysRevD.81.104019 **Published:** MAY 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Features of galactic halo in a brane world model and observational constraints  
**Author(s):** Nandi, KK (Nandi, K. K.); Filippov, AI (Filippov, A. I.); Rahaman, F (Rahaman, F.); Ray, S (Ray, Saibal); Usmani, AA (Usmani, A. A.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 399 **Issue:** 4 **Pages:** 2079-2087 **DOI:** 10.1111/j.1365-2966.2009.15399.x **Published:** NOV 11 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Unified model of k-inflation, dark matter, and dark energy

**Author(s):** Bose, N (Bose, Nilok); Majumdar, AS (Majumdar, A. S.)

**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 10 **Article Number:** 103508 **DOI:** 10.1103/PhysRevD.80.103508 **Published:** NOV 2009

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Doubly coexisting dark matter candidates in an extended seesaw model

**Author(s):** Kang, SK (Kang, Sin Kyu); Cheon, HS (Cheon, H. Sung); Kim, CS (Kim, C. S.)

**Source:** PHYSICS LETTERS B **Volume:** 675 **Issue:** 2 **Pages:** 203-209 **DOI:** 10.1016/j.physletb.2009.03.083 **Published:** MAY 11 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** k-essence model of inflation, dark matter, and dark energy

**Author(s):** Bose, N (Bose, Nilok); Majumdar, AS (Majumdar, A. S.)

**Source:** PHYSICAL REVIEW D **Volume:** 79 **Issue:** 10 **Article Number:** 103517 **DOI:** 10.1103/PhysRevD.79.103517 **Published:** MAY 2009

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Low scale leptogenesis and dark matter candidates in an extended seesaw model

**Author(s):** Cheon, HS (Cheon, H. Sung); Kang, SK (Kang, Sin Kyu); Kim, CS (Kim, C. S.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 5 **Article Number:** 004 **DOI:** 10.1088/1475-7516/2008/05/004 **Published:** MAY 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Galactic metric, dark radiation, dark pressure, and gravitational lensing in brane world models

**Author(s):** Harko, T (Harko, T); Cheng, KS (Cheng, KS)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 636 **Issue:** 1 **Pages:** 8-20 **DOI:** 10.1086/498141 **Part:** 1 **Published:** JAN 1 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Conformally symmetric vacuum solutions of the gravitational field equations in the brane-world models

**Author(s):** Harko, T (Harko, T); Mak, MK (Mak, MK)

**Source:** ANNALS OF PHYSICS **Volume:** 319 **Issue:** 2 **Pages:** 471-492 **DOI:** 10.1016/j.aop.2005.04.010 **Published:** OCT 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0003-4916

**eISSN:** 1096-035X

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**Title:** Can the rotation of the dark matter halo of our galaxy be detected through its effect on the cosmic microwave background polarization? art. no. 006

**Author(s):** Nag, P (Nag, P); Bharadwaj, S (Bharadwaj, S); Kar, S (Kar, S)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 006 **DOI:** 10.1088/1475-7516/2005/07/006 **Published:** JUL 2005

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Can the galactic rotation curves be explained in brane world models?

**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)

**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 2 **Article Number:** 024010 **DOI:** 10.1103/PhysRevD.70.024010 **Published:** JUL 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Steep inflation followed by Born-Infeld reheating

**Author(s):** Sami, M (Sami, M); Dadhich, N (Dadhich, N); Shiromizu, T (Shiromizu, T)

**Source:** PHYSICS LETTERS B **Volume:** 568 **Issue:** 1-2 **Pages:** 118-126 **DOI:** 10.1016/j.physletb.2003.07.001 **Published:** AUG 21 2003

**Language:** English

**Document Type:** Review

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Suppression of entropy perturbations in multifield inflation on the brane

**Author(s):** Ashcroft, PR (Ashcroft, PR); van de Bruck, C (van de Bruck, C); Davis, AC (Davis, AC)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 12 **Article Number:** 121302 **DOI:** 10.1103/PhysRevD.66.121302 **Published:** DEC 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Tracking quintessential inflation from brane worlds

**Author(s):** Nunes, NJ (Nunes, NJ); Copeland, EJ (Copeland, EJ)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article Number:** 043524 **DOI:** 10.1103/PhysRevD.66.043524 **Published:** AUG 15 2002

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Inflation, cold dark matter, and the central density problem

**Author(s):** Zentner, AR (Zentner, AR); Bullock, JS (Bullock, JS)

**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 4 **Article Number:** 043003 **DOI:** 10.1103/PhysRevD.66.043003 **Published:** AUG 15 2002

**Language:** English

**Document Type:** Review

**ISSN:** 1550-7998

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10 citas

**Title:** Constraint on dark matter central density in the Eddington inspired Born-Infeld (EiBI) gravity with input from Weyl gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, R (Izmailov, Ramil); Mikolaychuk, O (Mikolaychuk, Olga); Mikolaychuk, N (Mikolaychuk, Nikolay); Ghosh, M (Ghosh, Mithun); Nandi, KK (Nandi, Kamal K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 018 **DOI:** 10.1088/1475-7516/2015/07/018 **Published:** JUL 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Brane-f(R) gravity and dark matter

**Author(s):** Sefiedgar, AS (Sefiedgar, A. S.); Haghani, Z (Haghani, Z.); Sepangi, HR (Sepangi, H. R.)



**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 6 **Article Number:** 064012 **DOI:** 10.1103/PhysRevD.85.064012 **Published:** MAR 8 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** BRANEWORLDS AND DARK MATTER  
**Author(s):** Shahidi, S (Shahidi, Shahab); Sepangi, HR (Sepangi, Hamid Reza)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 20 **Issue:** 1 **Pages:** 77-91 **DOI:** 10.1142/S0218271811018627 **Published:** JAN 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
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**Title:** Features of galactic halo in a brane world model and observational constraints  
**Author(s):** Nandi, KK (Nandi, K. K.); Filippov, AI (Filippov, A. I.); Rahaman, F (Rahaman, F.); Ray, S (Ray, Saibal); Usmani, AA (Usmani, A. A.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 399 **Issue:** 4 **Pages:** 2079-2087 **DOI:** 10.1111/j.1365-2966.2009.15399.x **Published:** NOV 11 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Can dark matter be a Bose-Einstein condensate?  
**Author(s):** Bohmer, CG (Bohmer, C. G.); Harko, T (Harko, T.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 025 **DOI:** 10.1088/1475-7516/2007/06/025 **Published:** JUN 2007  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Galactic metric, dark radiation, dark pressure, and gravitational lensing in brane world models  
**Author(s):** Harko, T (Harko, T); Cheng, KS (Cheng, KS)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 636 **Issue:** 1 **Pages:** 8-20 **DOI:** 10.1086/498141 **Part:** 1 **Published:** JAN 1 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Conformally symmetric vacuum solutions of the gravitational field equations in the brane-world models

**Author(s):** Harko, T (Harko, T); Mak, MK (Mak, MK)

**Source:** ANNALS OF PHYSICS **Volume:** 319 **Issue:** 2 **Pages:** 471-492 **DOI:** 10.1016/j.aop.2005.04.010 **Published:** OCT 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0003-4916

**eISSN:** 1096-035X

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**Title:** Can the galactic rotation curves be explained in brane world models?

**Author(s):** Mak, MK (Mak, MK); Harko, T (Harko, T)

**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 2 **Article Number:** 024010 **DOI:** 10.1103/PhysRevD.70.024010 **Published:** JUL 2004

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Galactic potentials

**Author(s):** Lake, K (Lake, K)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 92 **Issue:** 5 **Article Number:** 051101 **DOI:** 10.1103/PhysRevLett.92.051101 **Published:** FEB 6 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Interacting quintessence solution to the coincidence problem

**Author(s):** Chimento, LP (Chimento, LP); Jakubi, AS (Jakubi, AS); Pavon, D (Pavon, D); Zimdahl, W (Zimdahl, W)

**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 8 **Article Number:** 083513 **DOI:** 10.1103/PhysRevD.67.083513 **Published:** APR 15 2003

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

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**Title:** Description of the evolution of inhomogeneities on a dark matter halo with the Vlasov equation

**Author(s):** Dominguez-Fernandez, P (Dominguez-Fernandez, Paola); Jimenez-Vazquez, E (Jimenez-Vazquez, Erik); Alcubierre, M (Alcubierre, Miguel); Montoya, E (Montoya, Edison); Nunez, D (Nunez, Dario)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 49 **Issue:** 9 **Article Number:** 123 **DOI:** 10.1007/s10714-017-2286-8 **Published:** SEP 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Revisiting perfect fluid dark matter: Observational constraints from our galaxy

**Author(s):** Potapov, AA (Potapov, Alexander A.); Garipova, GM (Garipova, Guzel M.); Nandi, KK (Nandi, Kamal K.)

**Source:** PHYSICS LETTERS B **Volume:** 753 **Pages:** 140-146 **DOI:** 10.1016/j.physletb.2015.11.057 **Published:** FEB 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** COMPLEX SCALAR FIELD DARK MATTER ON GALACTIC SCALES

**Author(s):** Rindler-Daller, T (Rindler-Daller, Tanja); Shapiro, PR (Shapiro, Paul R.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 29 **Issue:** 2 **Article Number:** 1430002 **DOI:** 10.1142/S021773231430002X **Published:** JAN 20 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Ruling out bosonic repulsive dark matter in thermal equilibrium

**Author(s):** Slepian, Z (Slepian, Zachary); Goodman, J (Goodman, Jeremy)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 427 **Issue:** 1 **Pages:** 839-849 **DOI:** 10.1111/j.1365-2966.2012.21901.x **Published:** NOV 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Astrophysical constraints on scalar field models

**Author(s):** Bertolami, O (Bertolami, O); Paramos, J (Paramos, J)

**Source:** PHYSICAL REVIEW D **Volume:** 71 **Issue:** 2 **Article Number:** 023521 **DOI:** 10.1103/PhysRevD.71.023521 **Published:** JAN 2005

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Scalar dark matter from theory space  
**Author(s):** Birkedal-Hansen, A (Birkedal-Hansen, A); Wacker, JG (Wacker, JG)  
**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 6 **Article**  
**Number:** 065022 **DOI:** 10.1103/PhysRevD.69.065022 **Published:** MAR 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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57 citas

**Title:** Multi-fluid cosmology in Einstein gravity: analytical solutions  
**Author(s):** Faraoni, V (Faraoni, Valerio); Jose, S (Jose, Sonia); Dussault, S (Dussault, Steve)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 53 **Issue:** 12 **Article**  
**Number:** 109 **DOI:** 10.1007/s10714-021-02879-z **Published:** DEC 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Multidomain Galerkin-collocation method: spherical collapse of scalar fields II  
**Author(s):** Alcoforado, MA (Alcoforado, M. A.); Aranha, RF (Aranha, R. F.); Barreto, WO (Barreto, W. O.); de Oliveira, HP (de Oliveira, H. P.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 22 **Article**  
**Number:** 225004 **DOI:** 10.1088/1361-6382/ac2c1d **Published:** NOV 18 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Boson stars and oscillatons: A review  
**Author(s):** Visinelli, L (Visinelli, Luca)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 30 **Issue:** 15 **Article**  
**Number:** 2130006 **DOI:** 10.1142/S0218271821300068 **Published:** NOV 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Modifying PyUltraLight to model scalar dark matter with self-interactions  
**Author(s):** Glennon, N (Glennon, Noah); Prescod-Weinstein, C (Prescod-Weinstein, Chanda)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article Number:** 083532 **DOI:** 10.1103/PhysRevD.104.083532 **Published:** OCT 20 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Galaxies with fuzzy dark matter  
**Author(s):** Lee, JW (Lee, Jae-Weon)  
**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 78 **Issue:** 10 **Special Issue:** SI **Pages:** 873-877 **DOI:** 10.1007/s40042-021-00077-3 **Early Access Date:** JAN 2021 **Published:** MAY 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0374-4884  
**eISSN:** 1976-8524

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Bose-Einstein condensate dark matter model with three-particle interaction and two-phase structure  
**Author(s):** Gavrilik, AM (Gavrilik, A. M.); Khelashvili, MV (Khelashvili, M., V); Nazarenko, AV (Nazarenko, A., V)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083510 **DOI:** 10.1103/PhysRevD.102.083510 **Published:** OCT 7 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** The M-sigma relation of supermassive black holes from the scalar field dark matter  
**Author(s):** Lee, JW (Lee, Jae-Weon); Kim, HC (Kim, Hyeong-Chan); Lee, J (Lee, Jungjai)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 35 **Issue:** 19 **Article Number:** 2050155 **DOI:** 10.1142/S0217732320501552 **Published:** JUN 21 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Formation, gravitational clustering, and interactions of nonrelativistic solitons in an expanding universe  
**Author(s):** Amin, MA (Amin, Mustafa A.); Mocz, P (Mocz, Philip)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 6 **Article Number:** 063507 **DOI:** 10.1103/PhysRevD.100.063507 **Published:** SEP 9 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Interactions of astrophysical neutrinos with dark matter: a model building perspective  
**Author(s):** Pandey, S (Pandey, Sujata); Karmakar, S (Karmakar, Siddhartha); Rakshit, S (Rakshit, Subhendu)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 1 **Article Number:** 095 **DOI:** 10.1007/JHEP01(2019)095 **Published:** JAN 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2212-6864

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**Title:** Quantum Entanglement of Dark Matter  
**Author(s):** Lee, JW (Lee, Jae-Weon)  
**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 73 **Issue:** 10 **Pages:** 1596-1602 **DOI:** 10.3938/jkps.73.1596 **Published:** NOV 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0374-4884  
**eISSN:** 1976-8524

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity  
**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Phase transitions between dilute and dense axion stars  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Decay of ultralight axion condensates  
**Author(s):** Eby, J (Eby, Joshua); Ma, M (Ma, Michael); Suranyi, P (Suranyi, Peter); Wijewardhana, LCR (Wijewardhana, L. C. R.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 1 **Article**  
**Number:** 066 **DOI:** 10.1007/JHEP01(2018)066 **Published:** JAN 15 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Dynamical formation of a hairy black hole in a cavity from the decay of unstable solitons

**Author(s):** Sanchis-Gual, N (Sanchis-Gual, Nicolas); Degollado, JC (Carlos Degollado, Juan); Font, JA (Font, Jose A.); Herdeiro, C (Herdeiro, Carlos); Radu, E (Radu, Eugen)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 34 **Issue:** 16 **Article**  
**Number:** 165001 **DOI:** 10.1088/1361-6382/aa7d1f **Published:** AUG 17 2017

**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Caustic free completion of pressureless perfect fluid and k-essence

**Author(s):** Babichev, E (Babichev, Eugeny); Ramazanov, S (Ramazanov, Sabir)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 8 **Article**  
**Number:** 040 **DOI:** 10.1007/JHEP08(2017)040 **Published:** AUG 10 2017

**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article**  
**Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017

**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Understanding the shape and diversity of dwarf galaxy rotation curves in Lambda CDM

**Author(s):** Read, JI (Read, J. I.); Iorio, G (Iorio, G.); Agertz, O (Agerz, O.); Fraternali, F (Fraternali, F.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 462 **Issue:** 4 **Pages:** 3628-3645 **DOI:** 10.1093/mnras/stw1876 **Published:** NOV 11 2016

**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Characteristic size and mass of galaxies in the Bose-Einstein condensate dark matter model

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** PHYSICS LETTERS B **Volume:** 756 **Pages:** 166-

169 **DOI:** 10.1016/j.physletb.2016.03.016 **Published:** MAY 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article**

**Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article**

**Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article**

**Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Novel ansatz to obtain inflation in brane-worlds: the dynamical perspective  
**Author(s):** Perez, JL (Perez, Juan L.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.); Urena-Lopez, LA (Urena-Lopez, Luis A.)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 10 **Article Number:** 1804 **DOI:** 10.1007/s10714-014-1804-1 **Published:** OCT 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Dwarf spheroidal galaxies and Bose-Einstein condensate dark matter  
**Author(s):** Diez-Tejedor, A (Diez-Tejedor, Alberto); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.); Profumo, S (Profumo, Stefano)  
**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 4 **Article Number:** 043517 **DOI:** 10.1103/PhysRevD.90.043517 **Published:** AUG 18 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** COMPLEX SCALAR FIELD DARK MATTER ON GALACTIC SCALES  
**Author(s):** Rindler-Daller, T (Rindler-Daller, Tanja); Shapiro, PR (Shapiro, Paul R.)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 29 **Issue:** 2 **Article Number:** 1430002 **DOI:** 10.1142/S021773231430002X **Published:** JAN 20 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Numerical simulations of single and binary black holes in scalar-tensor theories: Circumventing the no-hair theorem  
**Author(s):** Berti, E (Berti, Emanuele); Cardoso, V (Cardoso, Vitor); Gualtieri, L (Gualtieri, Leonardo); Horbatsch, M (Horbatsch, Michael); Sperhake, U (Sperhake, Ulrich)  
**Source:** PHYSICAL REVIEW D **Volume:** 87 **Issue:** 12 **Article Number:** 124020 **DOI:** 10.1103/PhysRevD.87.124020 **Published:** JUN 18 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Binary black hole mergers in  $f(R)$  theory  
**Author(s):** Cao, ZJ (Cao, Zhoujian); Galaviz, P (Galaviz, Pablo); Li, LF (Li, Li-Fang)  
**Source:** PHYSICAL REVIEW D **Volume:** 87 **Issue:** 10 **Article Number:** 104029 **DOI:** 10.1103/PhysRevD.87.104029 **Published:** MAY 22 2013

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Study of stability of relativistic ideal Bose-Einstein condensates  
**Author(s):** Briscece, F (Briscece, F.); Grether, M (Grether, M.); de Llano, M (de Llano, M.); Baker, GA (Baker, George A., Jr.)  
**Source:** PHYSICS LETTERS A **Volume:** 376 **Issue:** 45 **Pages:** 2911-2916 **DOI:** 10.1016/j.physleta.2012.08.036 **Published:** OCT 1 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0375-9601  
**eISSN:** 1873-2429

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**Title:** Angular momentum and vortex formation in Bose-Einstein-condensed cold dark matter haloes  
**Author(s):** Rindler-Daller, T (Rindler-Daller, Tanja); Shapiro, PR (Shapiro, Paul R.)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 422 **Issue:** 1 **Pages:** 135-161 **DOI:** 10.1111/j.1365-2966.2012.20588.x **Published:** MAY 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Numerical simulation of oscillatons: Extracting the radiating tail  
**Author(s):** Grandclement, P (Grandclement, Philippe); Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter)  
**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 6 **Article Number:** 065037 **DOI:** 10.1103/PhysRevD.84.065037 **Published:** SEP 30 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with short-range interactions. II. Numerical results  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Delfini, L (Delfini, Luca)  
**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article Number:** 043532 **DOI:** 10.1103/PhysRevD.84.043532 **Published:** AUG 29 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with short-range interactions. I. Analytical results

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article**

**Number:** 043531 **DOI:** 10.1103/PhysRevD.84.043531 **Published:** AUG 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** LUKEWARM DARK MATTER: BOSE CONDENSATION OF ULTRALIGHT PARTICLES

**Author(s):** Lundgren, AP (Lundgren, Andrew P.); Bondarescu, M (Bondarescu, Mihai); Bondarescu, R (Bondarescu, Ruxandra); Balakrishna, J (Balakrishna, Jayashree)

**Source:** ASTROPHYSICAL JOURNAL LETTERS **Volume:** 715 **Issue:** 1 **Pages:** L35-L39 **DOI:** 10.1088/2041-8205/715/1/L35 **Published:** MAY 20 2010

**Language:** English

**Document Type:** Article

**ISSN:** 2041-8205

**eISSN:** 2041-8213

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**Title:** Mass loss and longevity of gravitationally bound oscillating scalar lumps (oscillatons) in D dimensions

**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)

**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 6 **Article**

**Number:** 064029 **DOI:** 10.1103/PhysRevD.81.064029 **Published:** MAR 15 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Minimum mass of galaxies from BEC or scalar field dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon); Lim, S (Lim, Sooil)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 007 **DOI:** 10.1088/1475-7516/2010/01/007 **Published:** JAN 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** f(R) theories of gravity

**Author(s):** Sotiriou, TP (Sotiriou, Thomas P.); Faraoni, V (Faraoni, Valerio)

**Source:** REVIEWS OF MODERN PHYSICS **Volume:** 82 **Issue:** 1 **Pages:** 451-497 **DOI:** 10.1103/RevModPhys.82.451 **Published:** JAN-MAR 2010

**Language:** English

**Document Type:** Article

**ISSN:** 0034-6861

eISSN: 1539-0756

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**Title:** Are galaxies extending?

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** PHYSICS LETTERS B **Volume:** 681 **Issue:** 2 **Pages:** 118-121 **DOI:** 10.1016/j.physletb.2009.10.005 **Published:** OCT 26 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Remarks on the spherical scalar field halo in galaxies

**Author(s):** Nandi, KK (Nandi, Kamal K.); Valitov, I (Valitov, Ildar); Migranov, NG (Migranov, Nail G.)

**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 4 **Article Number:** 047301 **DOI:** 10.1103/PhysRevD.80.047301 **Published:** AUG 2009

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Is Dark Matter a BEC or Scalar Field?

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 54 **Issue:** 6 **Special Issue:** SI **Pages:** 2622-2625 **DOI:** 10.3938/jkps.54.2622 **Part:** 1 **Published:** JUN 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0374-4884

**eISSN:** 1976-8524

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**Title:** Phase transition in Schwarzschild-de Sitter spacetime

**Author(s):** Momeni, D (Momeni, D.); Azadi, A (Azadi, A.)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 317 **Issue:** 3-4 **Pages:** 231-234 **DOI:** 10.1007/s10509-008-9883-7 **Published:** OCT 2008

**Language:** English

**Document Type:** Article

**ISSN:** 0004-640X

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**Title:** Probing dark energy at galactic and cluster scales

**Author(s):** Mota, DF (Mota, David F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 006 **DOI:** 10.1088/1475-7516/2008/09/006 **Published:** SEP 2008

**Language:** English

**Document Type:** Review

ISSN: 1475-7516

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**Title:** Numerical simulations of oscillating soliton stars: Excited states in spherical symmetry and ground state evolutions in 3D

**Author(s):** Balakrishna, J (Balakrishna, Jayashree); Bondarescu, R (Bondarescu, Ruxandra); Daues, G (Daues, Gregory); Bondarescu, M (Bondarescu, Mihai)

**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 2 **Article**

**Number:** 024028 **DOI:** 10.1103/PhysRevD.77.024028 **Published:** JAN 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Challenging the cosmological constant

**Author(s):** Kaloper, N (Kaloper, Nemanja)

**Source:** PHYSICS LETTERS B **Volume:** 653 **Issue:** 2-4 **Pages:** 109-115 **DOI:** 10.1016/j.physletb.2007.07.061 **Published:** SEP 30 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Dark fluid: A complex scalar field to unify dark energy and dark matter

**Author(s):** Arbey, A (Arbey, Alexandre)

**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 4 **Article**

**Number:** 043516 **DOI:** 10.1103/PhysRevD.74.043516 **Published:** AUG 2006

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Structure formation in inhomogeneous dark energy models

**Author(s):** Nunes, NJ (Nunes, NJ); Mota, DF (Mota, DF)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 368 **Issue:** 2 **Pages:** 751-758 **DOI:** 10.1111/j.1365-2966.2006.10166.x **Published:** MAY 11 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Phantom energy mediates a long-range repulsive force

**Author(s):** Amendola, L (Amendola, L)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 93 **Issue:** 18 **Article**

**Number:** 181102 **DOI:** 10.1103/PhysRevLett.93.181102 **Published:** OCT 29 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007  
**eISSN:** 1079-7114

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**Title:** On the spherical collapse model in dark energy cosmologies  
**Author(s):** Mota, DF (Mota, DF); van de Bruck, C (van de Bruck, C)  
**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 421 **Issue:** 1 **Pages:** 71-81 **DOI:** 10.1051/0004-6361:20041090 **Published:** JUL 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1432-0746

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**Title:** Classical and quantum decay of oscillations: Oscillating self-gravitating real scalar field solitons  
**Author(s):** Page, DN (Page, DN)  
**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 2 **Article Number:** 023002 **DOI:** 10.1103/PhysRevD.70.023002 **Published:** JUL 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Galactic potentials  
**Author(s):** Lake, K (Lake, K)  
**Source:** PHYSICAL REVIEW LETTERS **Volume:** 92 **Issue:** 5 **Article Number:** 051101 **DOI:** 10.1103/PhysRevLett.92.051101 **Published:** FEB 6 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0031-9007  
**eISSN:** 1079-7114

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**Title:** Galactic halos of fluid dark matter  
**Author(s):** Arbey, A (Arbey, A); Lesgourgues, J (Lesgourgues, J); Salati, P (Salati, P)  
**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 2 **Article Number:** 023511 **DOI:** 10.1103/PhysRevD.68.023511 **Published:** JUL 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Numerical evidence for "multiscalar stars"  
**Author(s):** Hawley, SH (Hawley, SH); Choptuik, MW (Choptuik, MW)  
**Source:** PHYSICAL REVIEW D **Volume:** 67 **Issue:** 2 **Article Number:** 024010 **DOI:** 10.1103/PhysRevD.67.024010 **Published:** JAN 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Supermassive black holes in scalar field galaxy halos  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, LA); Liddle, AR (Liddle, AR)  
**Source:** PHYSICAL REVIEW D **Volume:** 66 **Issue:** 8 **Article Number:** 083005 **DOI:** 10.1103/PhysRevD.66.083005 **Published:** OCT 15 2002  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0556-2821

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**Title:** Challenges and opportunities of gravitational-wave searches at MHz to GHz frequencies  
**Author(s):** Aggarwal, N (Aggarwal, Nancy); Aguiar, OD (Aguiar, Odylio D.); Bauswein, A (Bauswein, Andreas); Cella, G (Cella, Giancarlo); Clesse, S (Clesse, Sebastian); Cruise, AM (Cruise, Adrian Michael); Domcke, V (Domcke, Valerie); Figueroa, DG (Figueroa, Daniel G.); Geraci, A (Geraci, Andrew); Goryachev, M (Goryachev, Maxim); Grote, H (Grote, Hartmut); Hindmarsh, M (Hindmarsh, Mark); Muia, F (Muia, Francesco); Mukund, N (Mukund, Nikhil); Ottaway, D (Ottaway, David); Peloso, M (Peloso, Marco); Quevedo, F (Quevedo, Fernando); Ricciardone, A (Ricciardone, Angelo); Steinlechner, J (Steinlechner, Jessica); Steinlechner, S (Steinlechner, Sebastian); Sun, SC (Sun, Sichun); Tobar, ME (Tobar, Michael E.); Torrenti, F (Torrenti, Francisco); Unal, C (Unal, Caner); White, G (White, Graham)  
**Source:** LIVING REVIEWS IN RELATIVITY **Volume:** 24 **Issue:** 1 **Article Number:** 4 **DOI:** 10.1007/s41114-021-00032-5 **Published:** DEC 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 2367-3613  
**eISSN:** 1433-8351

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**Title:** Complex Scalar Field Reheating and Primordial Black Hole production  
**Author(s):** Carrion, K (Carrion, Karim); Hidalgo, JC (Carlos Hidalgo, Juan); Montiel, A (Montiel, Ariadna); Padilla, LE (Padilla, Luis E.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 001 **DOI:** 10.1088/1475-7516/2021/07/001 **Published:** JUL 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Oscillon collapse to black holes  
**Author(s):** Nazari, Z (Nazari, Zainab); Cicoli, M (Cicoli, Michele); Clough, K (Clough, Katy); Muia, F (Muia, Francesco)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 5 **Article Number:** 027 **DOI:** 10.1088/1475-7516/2021/05/027 **Published:** MAY 2021



**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Gravitational effects on oscillon lifetimes  
**Author(s):** Zhang, HY (Zhang, Hong-Yi)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 3 **Article Number:** 102 **DOI:** 10.1088/1475-7516/2021/03/102 **Published:** MAR 2021

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Resonant conversion of dark matter oscillons in pulsar magnetospheres  
**Author(s):** Prabhu, A (Prabhu, Anirudh); Rapidis, NM (Rapidis, Nicholas M.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 10 **Article Number:** 054 **DOI:** 10.1088/1475-7516/2020/10/054 **Published:** OCT 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** The landscape of QCD axion models  
**Author(s):** Di Luzio, L (Di Luzio, Luca); Giannotti, M (Giannotti, Maurizio); Nardi, E (Nardi, Enrico); Visinelli, L (Visinelli, Luca)  
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W.); Coughlin, SB (Coughlin, S. B.); Coulon, JP (Coulon, J-P); Countryman, ST (Countryman, S. T.); Couvares, P (Couvares, P.); Covas, PB (Covas, P. B.); Cowan, EE (Cowan, E. E.); Coward, DM (Coward, D. M.); Cowart, MJ (Cowart, M. J.); Coyne, DC (Coyne, D. C.); Coyne, R (Coyne, R.); Creighton, JDE (Creighton, J. D. E.); Creighton, TD (Creighton, T. D.); Cripe, J (Cripe, J.); Croquette, M (Croquette, M.); Crowder, SG (Crowder, S. G.); Cullen, TJ (Cullen, T. J.); Cumming, A (Cumming, A.); Cunningham, L (Cunningham, L.); Cuoco, E (Cuoco, E.); Dal Canton, T (Dal Canton, T.); Dalya, G (Dalya, G.); D'Angelo, B (D'Angelo, B.); Danilishin, SL (Danilishin, S. L.); D'Antonio, S (D'Antonio, S.); Danzmann, K (Danzmann, K.); Dasgupta, A (Dasgupta, A.); Costa, CFD (Costa, C. F. Da Silva); Datrier, LEH (Datrier, L. E. H.); Dattilo, V (Dattilo, V); Dave, I (Dave, I); Davier, M (Davier, M.); Davis, D (Davis, D.); Daw, EJ (Daw, E. 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V.); Fronze, G (Fronze, G.); Fulda, P (Fulda, P.); Fyffe, M (Fyffe, M.); Gabbard, HA (Gabbard, H. A.); Gadre, BU (Gadre, B. U.); Gaebel, SM (Gaebel, S. M.); Gair, JR (Gair, J. R.); Gammaitoni, L (Gammaitoni, L.); Gaonkar, SG (Gaonkar, S. G.); Garcia-Quiros, C (Garcia-Quiros, C.); Garufi, F (Garufi, F.); Gateley, B (Gateley, B.); Gaudio, S

(Gaudio, S.); Gaur, G (Gaur, G.); Gayathri, V (Gayathri, V); Gemme, G (Gemme, G.); Genin, E (Genin, E.); Gennai, A (Gennai, A.); George, D (George, D.); George, J (George, J.); Gergely, L (Gergely, L.); Ghonge, S (Ghonge, S.); Ghosh, A (Ghosh, Abhirup); Ghosh, A (Ghosh, Archisman); Ghosh, S (Ghosh, S.); Giacomazzo, B (Giacomazzo, B.); Giaime, JA (Giaime, J. A.); Giardina, KD (Giardina, K. D.); Gibson, DR (Gibson, D. R.); Gill, K (Gill, K.); Glover, L (Glover, L.); Gniesmer, J (Gniesmer, J.); Godwin, P (Godwin, P.); Goetz, E (Goetz, E.); Goetz, R (Goetz, R.); Goncharov, B (Goncharov, B.); Gonzalez, G (Gonzalez, G.); Castro, JMG (Castro, J. M. Gonzalez); Gopakumar, A (Gopakumar, A.); Gossan, SE (Gossan, S. E.); Gosselin, M (Gosselin, M.); Gouaty, R (Gouaty, R.); Grace, B (Grace, B.); Grado, A (Grado, A.); Granata, M (Granata, M.); Grant, A (Grant, A.); Gras, S (Gras, S.); Grassia, P (Grassia, P.); Gray, C (Gray, C.); Gray, R (Gray, R.); Greco, G (Greco, G.); Green, AC (Green, A. C.); Green, R (Green, R.); Gretarsson, EM (Gretarsson, E. M.); Grimaldi, A (Grimaldi, A.); Grimm, SJ (Grimm, S. J.); Groot, P (Groot, P.); Grote, H (Grote, H.); Grunewald, S (Grunewald, S.); Gruning, P (Gruning, P.); Guidi, GM (Guidi, G. M.); Gulati, HK (Gulati, H. K.); Guo, Y (Guo, Y.); Gupta, A (Gupta, A.); Gupta, A (Gupta, Anchal); Gupta, P (Gupta, P.); Gustafson, EK (Gustafson, E. K.); Gustafson, R (Gustafson, R.); Haegel, L (Haegel, L.); Halim, O (Halim, O.); Hall, BR (Hall, B. R.); Hall, ED (Hall, E. D.); Hamilton, EZ (Hamilton, E. Z.); Hammond, G (Hammond, G.); Haney, M (Haney, M.); Hanke, MM (Hanke, M. M.); Hanks, J (Hanks, J.); Hanna, C (Hanna, C.); Hannam, MD (Hannam, M. D.); Hannuksela, OA (Hannuksela, O. A.); Hansen, TJ (Hansen, T. J.); Hanson, J (Hanson, J.); Harder, T (Harder, T.); Hardwick, T (Hardwick, T.); Haris, K (Haris, K.); Harms, J (Harms, J.); Harry, GM (Harry, G. M.); Harry, IW (Harry, I. W.); Hasskew, RK (Hasskew, R. K.); Haster, CJ (Haster, C. J.); Haughian, K (Haughian, K.); Hayes, FJ (Hayes, F. J.); Healy, J (Healy, J.); Heidmann, A (Heidmann, A.); Heintze, MC (Heintze, M. C.); Heitmann, H (Heitmann, H.); Hellman, F (Hellman, F.); Hello, P (Hello, P.); Hemming, G (Hemming, G.); Hendry, M (Hendry, M.); Heng, IS (Heng, I. S.); Hennig, J (Hennig, J.); Heurs, M (Heurs, M.); Hild, S (Hild, S.); Hinderer, T (Hinderer, T.); Hochheim, S (Hochheim, S.); Hofman, D (Hofman, D.); Holgado, AM (Holgado, A. M.); Holland, NA (Holland, N. A.); Holt, K (Holt, K.); Holz, DE (Holz, D. E.); Hopkins, P (Hopkins, P.); Horst, C (Horst, C.); Hough, J (Hough, J.); Howell, EJ (Howell, E. J.); Hoy, CG (Hoy, C. G.); Huang, Y (Huang, Y.); Hubner, MT (Hubner, M. T.); Huerta, EA (Huerta, E. A.); Huet, D (Huet, D.); Hughey, B (Hughey, B.); Hui, V (Hui, V); Husa, S (Husa, S.); Huttner, SH (Huttner, S. H.); Huynh-Dinh, T (Huynh-Dinh, T.); Idzkowski, B (Idzkowski, B.); Iess, A (Iess, A.); Inchauspe, H (Inchauspe, H.); Ingram, C (Ingram, C.); Inta, R (Inta, R.); Intini, G (Intini, G.); Irwin, B (Irwin, B.); Isa, HN (Isa, H. N.); Isac, JM (Isac, J-M); Isi, M (Isi, M.); Iyer, BR (Iyer, B. R.); Jacqmin, T (Jacqmin, T.); Jadhav, SJ (Jadhav, S. J.); Jani, K (Jani, K.); Janthalur, NN (Janthalur, N. N.); Jaranowski, P (Jaranowski, P.); Jariwala, D (Jariwala, D.); Jenkins, AC (Jenkins, A. C.); Jiang, J (Jiang, J.); Johnson, DS (Johnson, D. S.); Jones, AW (Jones, A. W.); Jones, DI (Jones, D., I); Jones, JD (Jones, J. D.); Jones, R (Jones, R.); Jonker, RJG (Jonker, R. J. G.); Ju, L (Ju, L.); Junker, J (Junker, J.); Kalaghatgi, CV (Kalaghatgi, C., V); Kalogera, V (Kalogera, V); Kamai, B (Kamai, B.); Kandhasamy, S (Kandhasamy, S.); Kang, G (Kang, G.); Kanner, JB (Kanner, J. B.); Kapadia, SJ (Kapadia, S. J.); Karki, S (Karki, S.); Kashyap, R (Kashyap, R.); Kasprzack, M (Kasprzack, M.); Katsanevas, S (Katsanevas, S.); Katsavounidis, E (Katsavounidis, E.); Katzman, W (Katzman, W.); Kaufer, S (Kaufer, S.); Kawabe, K (Kawabe, K.); Keerthana, NV (Keerthana, N., V); Kefelian, F (Kefelian, F.); Keitel, D (Keitel, D.); Kennedy, R (Kennedy, R.); Key, JS (Key, J. S.); Khalili, FY (Khalili, F. Y.); Khan, I (Khan, I); Khan, S (Khan, S.); Khazanov, EA (Khazanov, E. A.); Khetan, N (Khetan, N.); Khursheed, M (Khursheed, M.); Kijbunchoo, N (Kijbunchoo, N.); Kim, C (Kim, Chunglee); Kim, JC (Kim, J. C.); Kim, K (Kim, K.); Kim, W (Kim, W.); Kim, WS (Kim, W. S.); Kim, YM (Kim, Y-M); Kimball, C (Kimball, C.); King, PJ (King, P. J.); Kinley-Hanlon, M (Kinley-Hanlon, M.); Kirchhoff, R (Kirchhoff, R.); Kissel, JS (Kissel, J. S.); Kleybolte, L (Kleybolte, L.); Klika, JH (Klika, J. H.); Klimentko, S (Klimentko, S.); Knowles, TD (Knowles, T. D.); Koch, P (Koch, P.); Koehlenbeck, SM (Koehlenbeck, S. M.); Koekoek, G (Koekoek, G.); Koley, S (Koley, S.); Kondrashov, V (Kondrashov, V); Kontos, A (Kontos, A.); Koper, N (Koper, N.); Korobko, M (Korobko, M.); Korth, WZ (Korth, W. Z.); Kovalam, M (Kovalam, M.); Kozak, DB (Kozak, D. B.); Kramer, C

(Kraemer, C.); Kringel, V (Kringel, V); Krishnendu, N (Krishnendu, N.); Krolak, A (Krolak, A.); Krupinski, N (Krupinski, N.); Kuehn, G (Kuehn, G.); Kumar, A (Kumar, A.); Kumar, P (Kumar, P.); Kumar, R (Kumar, Rahul); Kumar, R (Kumar, Rakesh); Kuo, L (Kuo, L.); Kutynia, A (Kutynia, A.); Kwang, S (Kwang, S.); Lackey, BD (Lackey, B. D.); Laghi, D (Laghi, D.); Lai, KH (Lai, K. H.); Lam, TL (Lam, T. L.); Landry, M (Landry, M.); Lane, BB (Lane, B. B.); Lang, RN (Lang, R. N.); Lange, J (Lange, J.); Lantz, B (Lantz, B.); Lanza, RK (Lanza, R. K.); Lartaux-Vollard, A (Lartaux-Vollard, A.); Lasky, PD (Lasky, P. D.); Laxen, M (Laxen, M.); Lazzarini, A (Lazzarini, A.); Lazzaro, C (Lazzaro, C.); Leaci, P (Leaci, P.); Leavey, S (Leavey, S.); Lecoeuche, YK (Lecoeuche, Y. K.); Lee, CH (Lee, C. H.); Lee, HK (Lee, H. K.); Lee, HM (Lee, H. M.); Lee, HW (Lee, H. W.); Lee, J (Lee, J.); Lee, K (Lee, K.); Lehmann, J (Lehmann, J.); Lenon, AK (Lenon, A. K.); Leroy, N (Leroy, N.); Letendre, N (Letendre, N.); Levin, Y (Levin, Y.); Li, A (Li, A.); Li, J (Li, J.); Li, KJL (Li, K. J. L.); Li, TGF (Li, T. G. F.); Li, X (Li, X.); Lin, F (Lin, F.); Linde, F (Linde, F.); Linker, SD (Linker, S. D.); Littenberg, TB (Littenberg, T. B.); Liu, J (Liu, J.); Liu, X (Liu, X.); Llorens-Monteagudo, M (Llorens-Monteagudo, M.); Lo, RKL (Lo, R. K. L.); London, LT (London, L. T.); Longo, A (Longo, A.); Lorenzini, M (Lorenzini, M.); Loriette, V (Loriette, V); Lormand, M (Lormand, M.); Losurdo, G (Losurdo, G.); Lough, JD (Lough, J. D.); Lousto, CO (Lousto, C. O.); Lovelace, G (Lovelace, G.); Lower, ME (Lower, M. E.); Luck, H (Lueck, H.); Lumaca, D (Lumaca, D.); Lundgren, AP (Lundgren, A. P.); Lynch, R (Lynch, R.); Ma, Y (Ma, Y.); Macas, R (Macas, R.); Macfoy, S (Macfoy, S.); MacInnis, M (MacInnis, M.); Macleod, DM (Macleod, D. M.); Macquet, A (Macquet, A.); Hernandez, IM (Hernandez, I. Magana); Magana-Sandoval, F (Magana-Sandoval, F.); Magee, RM (Magee, R. M.); Majorana, E (Majorana, E.); Maksimovic, I (Maksimovic, I); Malik, A (Malik, A.); Man, N (Man, N.); Mandic, V (Mandic, V); Mangano, V (Mangano, V); Mansell, GL (Mansell, G. L.); Manske, M (Manske, M.); Mantovani, M (Mantovani, M.); Mapelli, M (Mapelli, M.); Marchesoni, F (Marchesoni, F.); Marion, F (Marion, F.); Marka, S (Marka, S.); Marka, Z (Marka, Z.); Markakis, C (Markakis, C.); Markosyan, AS (Markosyan, A. S.); Markowitz, A (Markowitz, A.); Maros, E (Maros, E.); Marquina, A (Marquina, A.); Marsat, S (Marsat, S.); Martelli, F (Martelli, F.); Martin, IW (Martin, I. W.); Martin, RM (Martin, R. M.); Martinez, V (Martinez, V); Martynov, DV (Martynov, D., V); Masalehdan, H (Masalehdan, H.); Mason, K (Mason, K.); Massera, E (Massera, E.); Masserot, A (Masserot, A.); Massinger, TJ (Massinger, T. J.); Masso-Reid, M (Masso-Reid, M.); Mastrogiovanni, S (Mastrogiovanni, S.); Matas, A (Matas, A.); Matichard, F (Matichard, F.); Matone, L (Matone, L.); Mavalvala, N (Mavalvala, N.); McCann, JJ (McCann, J. J.); McCarthy, R (McCarthy, R.); McClelland, DE (McClelland, D. E.); McClincy, P (McClincy, P.); McCormick, S (McCormick, S.); McCuller, L (McCuller, L.); McGuire, SC (McGuire, S. C.); McIsaac, C (McIsaac, C.); McIver, J (McIver, J.); McManus, DJ (McManus, D. J.); McRae, T (McRae, T.); McWilliams, ST (McWilliams, S. T.); Meacher, D (Meacher, D.); Meadors, GD (Meadors, G. D.); Mehmet, M (Mehmet, M.); Mehta, AK (Mehta, A. K.); Meidam, J (Meidam, J.); Villa, EM (Villa, E. Mejuto); Melatos, A (Melatos, A.); Mendell, G (Mendell, G.); Mercer, RA (Mercer, R. A.); Mereni, L (Mereni, L.); Merfeld, K (Merfeld, K.); Merilh, EL (Merilh, E. L.); Merzougui, M (Merzougui, M.); Meshkov, S (Meshkov, S.); Messenger, C (Messenger, C.); Messick, C (Messick, C.); Messina, F (Messina, F.); Metzdorff, R (Metzдорff, R.); Meyers, PM (Meyers, P. M.); Meylahn, F (Meylahn, F.); Miani, A (Miani, A.); Miao, H (Miao, H.); Michel, C (Michel, C.); Middleton, H (Middleton, H.); Milano, L (Milano, L.); Miller, AL (Miller, A. L.); Millhouse, M (Millhouse, M.); Mills, JC (Mills, J. C.); Milovich-Goff, MC (Milovich-Goff, M. C.); Minazzoli, O (Minazzoli, O.); Minenkov, Y (Minenkov, Y.); Mishkin, A (Mishkin, A.); Mishra, C (Mishra, C.); Mistry, T (Mistry, T.); Mitra, S (Mitra, S.); Mitrofanov, VP (Mitrofanov, V. P.); Mitselmakher, G (Mitselmakher, G.); Mittleman, R (Mittleman, R.); Mo, G (Mo, G.); Moffa, D (Moffa, D.); Mogushi, K (Mogushi, K.); Mohapatra, SRP (Mohapatra, S. R. P.); Molina-Ruiz, M (Molina-Ruiz, M.); Mondin, M (Mondin, M.); Montani, M (Montani, M.); Moore, CJ (Moore, C. J.); Moraru, D (Moraru, D.); Morawski, F (Morawski, F.); Moreno, G (Moreno, G.); Morisaki, S (Morisaki, S.); Mours, B (Mours, B.); Mow-Lowry, CM (Mow-Lowry, C. M.); Muciaccia, F (Muciaccia, F.); Mukherjee, A (Mukherjee, Arunava); Mukherjee, D (Mukherjee, D.); Mukherjee, S (Mukherjee, S.); Mukherjee, S (Mukherjee, Subroto); Mukund, N (Mukund, N.); Mullavey, A (Mullavey, A.); Munch, J (Munch, J.); Muiz,

EA (Muiz, E. A.); Muratore, M (Muratore, M.); Murray, PG (Murray, P. G.); Nardecchia, I (Nardecchia, I); Naticchioni, L (Naticchioni, L.); Nayak, RK (Nayak, R. K.); Neil, BF (Neil, B. F.); Neilson, J (Neilson, J.); Nelemans, G (Nelemans, G.); Nelson, TJN (Nelson, T. J. N.); Nery, M (Nery, M.); Neunzert, A (Neunzert, A.); Nevin, L (Nevin, L.); Ng, KY (Ng, K. Y.); Ng, S (Ng, S.); Nguyen, C (Nguyen, C.); Nguyen, P (Nguyen, P.); Nichols, D (Nichols, D.); Nichols, SA (Nichols, S. A.); Nissanke, S (Nissanke, S.); Nocera, F (Nocera, F.); North, C (North, C.); Nuttall, LK (Nuttall, L. K.); Obergaulinger, M (Obergaulinger, M.); Oberling, J (Oberling, J.); O'Brien, BD (O'Brien, B. D.); Oganessian, G (Oganessian, G.); Ogini, GH (Ogini, G. H.); Oh, JJ (Oh, J. J.); Oh, SH (Oh, S. H.); Ohme, F (Ohme, F.); Ohta, H (Ohta, H.); Okada, MA (Okada, M. A.); Oliver, M (Oliver, M.); Oppermann, P (Oppermann, P.); Oram, RJ (Oram, Richard J.); O'Reilly, B (O'Reilly, B.); Ormiston, RG (Ormiston, R. G.); Ortega, LF (Ortega, L. F.); O'Shaughnessy, R (O'Shaughnessy, R.); Ossokine, S (Ossokine, S.); Ottaway, DJ (Ottaway, D. J.); Overmier, H (Overmier, H.); Owen, BJ (Owen, B. J.); Pace, AE (Pace, A. E.); Pagano, G (Pagano, G.); Page, MA (Page, M. A.); Pagliaroli, G (Pagliaroli, G.); Pai, A (Pai, A.); Pai, SA (Pai, S. A.); Palamos, JR (Palamos, J. R.); Palashov, O (Palashov, O.); Palomba, C (Palomba, C.); Pan, H (Pan, H.); Panda, PK (Panda, P. K.); Pang, PTH (Pang, P. T. H.); Pankow, C (Pankow, C.); Pannarale, F (Pannarale, F.); Pant, BC (Pant, B. C.); Paoletti, F (Paoletti, F.); Paoli, A (Paoli, A.); Parida, A (Parida, A.); Parker, W (Parker, W.); Pascucci, D (Pascucci, D.); Pasqualetti, A (Pasqualetti, A.); Passaquieti, R (Passaquieti, R.); Passuello, D (Passuello, D.); Patil, M (Patil, M.); Patricelli, B (Patricelli, B.); Payne, E (Payne, E.); Pearlstone, BL (Pearlstone, B. L.); Pechsiri, TC (Pechsiri, T. C.); Pedersen, AJ (Pedersen, A. J.); Pedraza, M (Pedraza, M.); Pedurand, R (Pedurand, R.); Pele, A (Pele, A.); Penn, S (Penn, S.); Perego, A (Perego, A.); Perez, CJ (Perez, C. J.); Perigois, C (Perigois, C.); Perreca, A (Perreca, A.); Petermann, J (Petermann, J.); Pfeiffer, HP (Pfeiffer, H. P.); Phelps, M (Phelps, M.); Phukon, KS (Phukon, K. S.); Piccinni, OJ (Piccinni, O. J.); Pichot, M (Pichot, M.); Piergiovanni, F (Piergiovanni, F.); Pierro, V (Pierro, V); Pillant, G (Pillant, G.); Pinard, L (Pinard, L.); Pinto, IM (Pinto, I. M.); Pirello, M (Pirello, M.); Pitkin, M (Pitkin, M.); Plastino, W (Plastino, W.); Poggiani, R (Poggiani, R.); Pong, DYT (Pong, D. Y. T.); Ponrathnam, S (Ponrathnam, S.); Popolizio, P (Popolizio, P.); Porter, EK (Porter, E. K.); Powell, J (Powell, J.); Prajapati, AK (Prajapati, A. K.); Prasad, J (Prasad, J.); Prasai, K (Prasai, K.); Prasanna, R (Prasanna, R.); Pratten, G (Pratten, G.); Prestegard, T (Prestegard, T.); Principe, M (Principe, M.); Prodi, GA (Prodi, G. A.); Prokhorov, L (Prokhorov, L.); Punturo, M (Punturo, M.); Puppo, P (Puppo, P.); Purrer, M (Purrer, M.); Qi, H (Qi, H.); Quetschke, V (Quetschke, V); Quinonez, PJ (Quinonez, P. J.); Raab, FJ (Raab, F. J.); Raaijmakers, G (Raaijmakers, G.); Radkins, H (Radkins, H.); Radulesco, N (Radulesco, N.); Raffai, P (Raffai, P.); Raja, S (Raja, S.); Rajan, C (Rajan, C.); Rajbhandari, B (Rajbhandari, B.); Rakhmanov, M (Rakhmanov, M.); Ramirez, KE (Ramirez, K. E.); Ramos-Buades, A (Ramos-Buades, A.); Rana, J (Rana, Javed); Rao, K (Rao, K.); Rapagnani, P (Rapagnani, P.); Raymond, V (Raymond, V); Razzano, M (Razzano, M.); Read, J (Read, J.); Regimbau, T (Regimbau, T.); Rei, L (Rei, L.); Reid, S (Reid, S.); Reitze, DH (Reitze, D. H.); Rettigno, P (Rettigno, P.); Ricci, F (Ricci, F.); Richardson, CJ (Richardson, C. J.); Richardson, JW (Richardson, J. W.); Ricker, PM (Ricker, P. M.); Riemenschneider, G (Riemenschneider, G.); Riles, K (Riles, K.); Rizzo, M (Rizzo, M.); Robertson, NA (Robertson, N. A.); Robinet, F (Robinet, F.); Rocchi, A (Rocchi, A.); Rolland, L (Rolland, L.); Rollins, JG (Rollins, J. G.); Roma, VJ (Roma, V. J.); Romanelli, M (Romanelli, M.); Romano, R (Romano, R.); Romel, CL (Romel, C. L.); Romie, JH (Romie, J. H.); Rose, CA (Rose, C. A.); Rose, D (Rose, D.); Rose, K (Rose, K.); Rosiska, D (Rosiska, D.); Rosofsky, SG (Rosofsky, S. G.); Ross, MP (Ross, M. P.); Rowan, S (Rowan, S.); Rudiger, A (Ruediger, A.); Ruggi, P (Ruggi, P.); Rutins, G (Rutins, G.); Ryan, K (Ryan, K.); Sachdev, S (Sachdev, S.); Sadecki, T (Sadecki, T.); Sakellariadou, M (Sakellariadou, M.); Salafia, OS (Salafia, O. S.); Salconi, L (Salconi, L.); Saleem, M (Saleem, M.); Samajdar, A (Samajdar, A.); Sammut, L (Sammut, L.); Sanchez, EJ (Sanchez, E. J.); Sanchez, LE (Sanchez, L. E.); Sanchis-Gual, N (Sanchis-Gual, N.); Sanders, JR (Sanders, J. R.); Santiago, KA (Santiago, K. A.); Santos, E (Santos, E.); Sarin, N (Sarin, N.); Sassolas, B (Sassolas, B.); Sathyaprakash, BS (Sathyaprakash, B. S.); Sauter, O (Sauter, O.); Savage, RL (Savage, R. L.); Schale, P (Schale, P.); Scheel,

M (Scheel, M.); Scheuer, J (Scheuer, J.); Schmidt, P (Schmidt, P.); Schnabel, R (Schnabel, R.); Schofield, RMS (Schofield, R. M. S.); Schonbeck, A (Schoenbeck, A.); Schreiber, E (Schreiber, E.); Schulte, BW (Schulte, B. W.); Schutz, BF (Schutz, B. F.); Scott, J (Scott, J.); Scott, SM (Scott, S. M.); Seidel, E (Seidel, E.); Sellers, D (Sellers, D.); Sengupta, AS (Sengupta, A. S.); Sennett, N (Sennett, N.); Sentenac, D (Sentenac, D.); Sequino, V (Sequino, V); Sergeev, A (Sergeev, A.); Setyawati, Y (Setyawati, Y.); Shaddock, DA (Shaddock, D. A.); Shaffer, T (Shaffer, T.); Shahriar, MS (Shahriar, M. S.); Shaner, MB (Shaner, M. B.); Sharma, A (Sharma, A.); Sharma, P (Sharma, P.); Shawhan, P (Shawhan, P.); Shen, H (Shen, H.); Shink, R (Shink, R.); Shoemaker, DH (Shoemaker, D. H.); Shoemaker, DM (Shoemaker, D. M.); Shukla, K (Shukla, K.); ShyamSundar, S (ShyamSundar, S.); Siellez, K (Siellez, K.); Sieniawska, M (Sieniawska, M.); Sigg, D (Sigg, D.); Singer, LP (Singer, L. P.); Singh, D (Singh, D.); Singh, N (Singh, N.); Singhal, A (Singhal, A.); Sintes, AM (Sintes, A. M.); Sitmukhambetov, S (Sitmukhambetov, S.); Skliris, V (Skliris, V); Slagmolen, BJJ (Slagmolen, B. J. J.); Slaven-Blair, TJ (Slaven-Blair, T. J.); Smith, JR (Smith, J. R.); Smith, RJE (Smith, R. J. E.); Somala, S (Somala, S.); Son, EJ (Son, E. J.); Soni, S (Soni, S.); Sorazu, B (Sorazu, B.); Sorrentino, F (Sorrentino, F.); Souradeep, T (Souradeep, T.); Sowell, E (Sowell, E.); Spencer, AP (Spencer, A. P.); Spera, M (Spera, M.); Srivastava, AK (Srivastava, A. K.); Srivastava, V (Srivastava, V); Staats, K (Staats, K.); Stachie, C (Stachie, C.); Standke, M (Standke, M.); Steer, DA (Steer, D. A.); Steinke, M (Steinke, M.); Steinlechner, J (Steinlechner, J.); Steinlechner, S (Steinlechner, S.); Steinmeyer, D (Steinmeyer, D.); Stevenson, SP (Stevenson, S. P.); Stocks, D (Stocks, D.); Stone, R (Stone, R.); Stops, DJ (Stops, D. J.); Strain, KA (Strain, K. A.); Stratta, G (Stratta, G.); Strigin, SE (Strigin, S. E.); Strunk, A (Strunk, A.); Sturani, R (Sturani, R.); Stuver, AL (Stuver, A. L.); Sudhir, V (Sudhir, V); Summerscales, TZ (Summerscales, T. Z.); Sun, L (Sun, L.); Sunil, S (Sunil, S.); Sur, A (Sur, A.); Suresh, J (Suresh, J.); Sutton, PJ (Sutton, P. J.); Swinkels, BL (Swinkels, B. L.); Szczepanczyk, MJ (Szczepanczyk, M. J.); Tacca, M (Tacca, M.); Tait, SC (Tait, S. C.); Talbot, C (Talbot, C.); Tanner, DB (Tanner, D. B.); Tao, D (Tao, D.); Tapai, M (Tapai, M.); Tapia, A (Tapia, A.); Tasson, JD (Tasson, J. D.); Taylor, R (Taylor, R.); Tenorio, R (Tenorio, R.); Terkowski, L (Terkowski, L.); Thomas, M (Thomas, M.); Thomas, P (Thomas, P.); Thondapu, SR (Thondapu, S. R.); Thorne, KA (Thorne, K. A.); Thrane, E (Thrane, E.); Tiwari, S (Tiwari, Shubhanshu); Tiwari, S (Tiwari, Srishti); Tiwari, V (Tiwari, V); Toland, K (Toland, K.); Tonelli, M (Tonelli, M.); Tornasi, Z (Tornasi, Z.); Torres-Forne, A (Torres-Forne, A.); Torrie, CI (Torrie, C., I); Toyra, D (Toyra, D.); Travasso, F (Travasso, F.); Traylor, G (Traylor, G.); Tringali, MC (Tringali, M. C.); Tripathee, A (Tripathee, A.); Trovato, A (Trovato, A.); Trozzo, L (Trozzo, L.); Tsang, KW (Tsang, K. W.); Tse, M (Tse, M.); Tso, R (Tso, R.); Tsukada, L (Tsukada, L.); Tsuna, D (Tsuna, D.); Tsutsui, T (Tsutsui, T.); Tuyenbayev, D (Tuyenbayev, D.); Ueno, K (Ueno, K.); Ugolini, D (Ugolini, D.); Unnikrishnan, CS (Unnikrishnan, C. S.); Urban, AL (Urban, A. L.); Usman, SA (Usman, S. A.); Vahlbruch, H (Vahlbruch, H.); Vajente, G (Vajente, G.); Valdes, G (Valdes, G.); Valentini, M (Valentini, M.); van Bakel, N (van Bakel, N.); van Beuzekom, M (van Beuzekom, M.); van den Brand, JFJ (van den Brand, J. F. J.); Van Den Broeck, C (Van Den Broeck, C.); Vander-Hyde, DC (Vander-Hyde, D. C.); van der Schaaf, L (van der Schaaf, L.); VanHeijningen, JV (VanHeijningen, J. V.); van Veggel, AA (van Veggel, A. A.); Vardaro, M (Vardaro, M.); Varma, V (Varma, V.); Vass, S (Vass, S.); Vasuth, M (Vasuth, M.); Vecchio, A (Vecchio, A.); Vedovato, G (Vedovato, G.); Veitch, J (Veitch, J.); Veitch, PJ (Veitch, P. J.); Venkateswara, K (Venkateswara, K.); Venugopalan, G (Venugopalan, G.); Verkindt, D (Verkindt, D.); Vetrano, F (Vetrano, F.); Vicere, A (Vicere, A.); Viets, AD (Viets, A. D.); Vinciguerra, S (Vinciguerra, S.); Vine, DJ (Vine, D. J.); Vinet, JY (Vinet, J-Y); Vitale, S (Vitale, S.); Vo, T (Vo, T.); Vocca, H (Vocca, H.); Vorvick, C (Vorvick, C.); Vyatchanin, SP (Vyatchanin, S. P.); Wade, AR (Wade, A. R.); Wade, LE (Wade, L. E.); Wade, M (Wade, M.); Walet, R (Walet, R.); Walker, M (Walker, M.); Wallace, L (Wallace, L.); Walsh, S (Walsh, S.); Wang, H (Wang, H.); Wang, JZ (Wang, J. Z.); Wang, S (Wang, S.); Wang, WH (Wang, W. H.); Wang, YF (Wang, Y. F.); Ward, RL (Ward, R. L.); Warden, ZA (Warden, Z. A.); Warner, J (Warner, J.); Was, M (Was, M.); Watchi, J (Watchi, J.); Weaver, B (Weaver, B.); Wei, LW (Wei, L-W); Weinert, M (Weinert, M.); Weinstein, AJ (Weinstein, A. J.); Weiss, R (Weiss,

R.); Wellmann, F (Wellmann, F.); Wen, L (Wen, L.); Wessel, EK (Wessel, E. K.); Wessels, P (Wessels, P.); Westhouse, JW (Westhouse, J. W.); Wette, K (Wette, K.); Whelan, JT (Whelan, J. T.); Whiting, BF (Whiting, B. F.); Whittle, C (Whittle, C.); Wilken, DM (Wilken, D. M.); Williams, D (Williams, D.); Williamson, AR (Williamson, A. R.); Willis, JL (Willis, J. L.); Willke, B (Willke, B.); Winkler, W (Winkler, W.); Wipf, CC (Wipf, C. C.); Wittel, H (Wittel, H.); Woan, G (Woan, G.); Woehler, J (Woehler, J.); Wofford, JK (Wofford, J. K.); Wright, JL (Wright, J. L.); Wu, DS (Wu, D. S.); Wysocki, DM (Wysocki, D. M.); Xiao, S (Xiao, S.); Xu, R (Xu, R.); Yamamoto, H (Yamamoto, H.); Yancey, CC (Yancey, C. C.); Yang, L (Yang, L.); Yang, Y (Yang, Y.); Yang, Z (Yang, Z.); Yap, MJ (Yap, M. J.); Yazback, M (Yazback, M.); Yeeles, DW (Yeeles, D. W.); Yu, H (Yu, Hang); Yu, HC (Yu, Haocun); Yuen, SHR (Yuen, S. H. R.); Zadrozny, AK (Zadrozny, A. K.); Zadrozny, A (Zadrozny, A.); Zanolin, M (Zanolin, M.); Zelenova, T (Zelenova, T.); Zendri, JP (Zendri, J-P); Zevin, M (Zevin, M.); Zhang, J (Zhang, J.); Zhang, L (Zhang, L.); Zhang, T (Zhang, T.); Zhao, C (Zhao, C.); Zhao, G (Zhao, G.); Zhou, M (Zhou, M.); Zhou, Z (Zhou, Z.); Zhu, XJ (Zhu, X. J.); Zimmerman, AB (Zimmerman, A. B.); Zucker, ME (Zucker, M. E.); Zweizig, J (Zweizig, J.); Shandera, S (Shandera, S.)

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**Title:** Moduli stars

**Author(s):** Krippendorf, S (Krippendorf, Sven); Muia, F (Muia, Francesco); Quevedo, F (Quevedo, Fernando)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 8 **Article**  
**Number:** 070 **DOI:** 10.1007/JHEP08(2018)070 **Published:** AUG 14 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Motion in time-periodic backgrounds with applications to ultralight dark matter halos at galactic centers

**Author(s):** Boskovic, M (Boskovic, Mateja); Duque, F (Duque, Francisco); Ferreira, MC (Ferreira, Miguel C.); Miguel, FS (Miguel, Filipe S.); Cardoso, V (Cardoso, Vitor)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 024037 **DOI:** 10.1103/PhysRevD.98.024037 **Published:** JUL 23 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Black hole shadow of Sgr A\* in dark matter halo  
**Author(s):** Hou, X (Hou, Xian); Xu, ZY (Xu, Zhaoyi); Zhou, M (Zhou, Ming); Wang, JC (Wang, Jiancheng)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 015 **DOI:** 10.1088/1475-7516/2018/07/015 **Published:** JUL 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Dynamical boson stars  
**Author(s):** Liebling, SL (Liebling, Steven L.); Palenzuela, C (Palenzuela, Carlos)  
**Source:** LIVING REVIEWS IN RELATIVITY **Volume:** 20 **Article Number:** 5 **DOI:** 10.1007/s41114-017-0007-y **Published:** NOV 13 2017  
**Language:** English  
**Document Type:** Review  
**ISSN:** 2367-3613  
**eISSN:** 1433-8351

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**Title:** Time-dependent scalar fields as candidates for dark matter  
**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Dynamical Boson Stars  
**Author(s):** Liebling, SL (Liebling, Steven L.); Palenzuela, C (Palenzuela, Carlos)  
**Source:** LIVING REVIEWS IN RELATIVITY **Volume:** 15 **Article Number:** 6 **DOI:** 10.12942/lrr-2012-6 **Published:** 2012  
**Language:** English  
**Document Type:** Review  
**ISSN:** 2367-3613  
**eISSN:** 1433-8351

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**Title:** Numerical simulation of oscillatons: Extracting the radiating tail  
**Author(s):** Grandclement, P (Grandclement, Philippe); Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 6 **Article**  
**Number:** 065037 **DOI:** 10.1103/PhysRevD.84.065037 **Published:** SEP 30 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Boson stars and oscillatons in an inflationary universe  
**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article**  
**Number:** 044043 **DOI:** 10.1103/PhysRevD.82.044043 **Published:** AUG 25 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Mass loss and longevity of gravitationally bound oscillating scalar lumps (oscillatons) in D dimensions  
**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 6 **Article**  
**Number:** 064029 **DOI:** 10.1103/PhysRevD.81.064029 **Published:** MAR 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Numerical simulations of oscillating soliton stars: Excited states in spherical symmetry and ground state evolutions in 3D  
**Author(s):** Balakrishna, J (Balakrishna, Jayashree); Bondarescu, R (Bondarescu, Ruxandra); Daeues, G (Daeues, Gregory); Bondarescu, M (Bondarescu, Mihai)  
**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 2 **Article**  
**Number:** 024028 **DOI:** 10.1103/PhysRevD.77.024028 **Published:** JAN 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Classical and quantum decay of oscillations: Oscillating self-gravitating real scalar field solitons  
**Author(s):** Page, DN (Page, DN)  
**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 2 **Article**  
**Number:** 023002 **DOI:** 10.1103/PhysRevD.70.023002 **Published:** JUL 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Dark energy and dark matter from an inhomogeneous dilaton  
**Author(s):** Susperregi, M (Susperregi, M)  
**Source:** PHYSICAL REVIEW D **Volume:** 68 **Issue:** 12 **Article Number:** 123509 **DOI:** 10.1103/PhysRevD.68.123509 **Published:** DEC 15 2003  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** General relativistic boson stars  
**Author(s):** Schunck, FE (Schunck, FE); Mielke, EW (Mielke, EW)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 20 **Issue:** 20 **Pages:** R301-R356 **Article Number:** PII S0264-9381(03)51204-7 **DOI:** 10.1088/0264-9381/20/20/201 **Published:** OCT 21 2003  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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- 2.1.a.66. Luis G. Cabral-Rosetti, Darío Núñez, Roberto Sussman and **Tonatiuh Matos**. Hydrodynamical description of Galactic Dark Matter. Rev. Mex. Fis, 49 (2003), S91-S97. Available at: hep-th/0206082.

2 citas

**Title:** Dark matter halo as the dispersional gravitational lens  
**Author(s):** Chechin, LM (Chechin, L. M.)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 29 **Issue:** 37 **Article Number:** 1440002 **DOI:** 10.1142/S0217732314400021 **Published:** DEC 7 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Recent astronomical results of dark matter searching  
**Author(s):** Chechin, LM (Chechin, L. M.)  
**Source:** GRAVITATION & COSMOLOGY **Volume:** 20 **Issue:** 4 **Pages:** 240-246 **DOI:** 10.1134/S0202289314040045 **Published:** OCT 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0202-2893

eISSN: 1995-0721

2.1.a.67. Miguel Alcubierre, Ricardo Becerril, F. Siddhartha Guzmán, **Tonatiuh Matos**, Darío Núñez, and L. Arturo Ureña-López. Numerical studies of  $\Phi^2$ -Oscillatons. *Class. Quant. Grav.*, 20, (2003), 2883-2903. Available at: gr-qc/0301105

42 citas

**Title:** Boson stars and oscillatons: A review

**Author(s):** Visinelli, L (Visinelli, Luca)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 30 **Issue:** 15 **Article**

**Number:** 2130006 **DOI:** 10.1142/S0218271821300068 **Published:** NOV 2021

**Language:** English

**Document Type:** Review

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** New insights into the formation and growth of boson stars in dark matter halos

**Author(s):** Chen, JJ (Chen, Jiajun); Du, XL (Du, Xiaolong); Lentz, EW (Lentz, Erik W.); Marsh, DJE (Marsh, David J. E.); Niemeyer, JC (Niemeyer, Jens C.)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article**

**Number:** 083022 **DOI:** 10.1103/PhysRevD.104.083022 **Published:** OCT 14 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Beyond Schrodinger-Poisson: nonrelativistic effective field theory for scalar dark matter

**Author(s):** Salehian, B (Salehian, Borna); Zhang, HY (Zhang, Hong-Yi); Amin, MA (Amin, Mustafa A.); Kaiser, DI (Kaiser, David, I); Namjoo, MH (Namjoo, Mohammad Hossein)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 9 **Article**

**Number:** 050 **DOI:** 10.1007/JHEP09(2021)050 **Published:** SEP 9 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Complex Scalar Field Reheating and Primordial Black Hole production

**Author(s):** Carrion, K (Carrion, Karim); Hidalgo, JC (Carlos Hidalgo, Juan); Montiel, A (Montiel, Ariadna); Padilla, LE (Padilla, Luis E.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

**PHYSICS Issue:** 7 **Article Number:** 001 **DOI:** 10.1088/1475-7516/2021/07/001 **Published:** JUL 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Dipole radiation and beyond from axion stars in electromagnetic fields  
**Author(s):** Amin, MA (Amin, Mustafa A.); Long, AJ (Long, Andrew J.); Mou, ZG (Mou, Zong-Gang); Saffin, PM (Saffin, Paul M.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 6 **Article Number:** 182 **DOI:** 10.1007/JHEP06(2021)182 **Published:** JUN 30 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Averaging generalized scalar field cosmologies II: locally rotationally symmetric Bianchi I and flat Friedmann-Lemaitre-Robertson-Walker models  
**Author(s):** Leon, G (Leon, Genly); Cuellar, S (Cuellar, Sebastian); Gonzalez, E (Gonzalez, Esteban); Lepe, S (Lepe, Samuel); Michea, C (Michea, Claudio); Millano, AD (Millano, Alfredo D.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 81 **Issue:** 6 **Article Number:** 489 **DOI:** 10.1140/epjc/s10052-021-09230-5 **Published:** JUN 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Averaging generalized scalar field cosmologies I: locally rotationally symmetric Bianchi III and open Friedmann-Lemaitre-Robertson-Walker models  
**Author(s):** Leon, G (Leon, Genly); Gonzalez, E (Gonzalez, Esteban); Lepe, S (Lepe, Samuel); Michea, C (Michea, Claudio); Millano, AD (Millano, Alfredo D.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 81 **Issue:** 5 **Article Number:** 414 **DOI:** 10.1140/epjc/s10052-021-09185-7 **Published:** MAY 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Oscillon collapse to black holes  
**Author(s):** Nazari, Z (Nazari, Zainab); Cicoli, M (Cicoli, Michele); Clough, K (Clough, Katy); Muia, F (Muia, Francesco)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 5 **Article Number:** 027 **DOI:** 10.1088/1475-7516/2021/05/027 **Published:** MAY 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Gravitational effects on oscillon lifetimes  
**Author(s):** Zhang, HY (Zhang, Hong-Yi)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 3 **Article Number:** 102 **DOI:** 10.1088/1475-7516/2021/03/102 **Published:** MAR 2021  
**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Black hole and naked singularity geometries supported by three-form fields

**Author(s):** Barros, BJ (Barros, Bruno J.); Danila, B (Danila, Bogdan); Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 7 **Article Number:** 617 **DOI:** 10.1140/epjc/s10052-020-8178-1 **Published:** JUL 11 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Staccato radiation from the decay of large amplitude oscillons

**Author(s):** Dorey, P (Dorey, Patrick); Romanczukiewicz, T (Romanczukiewicz, Tomasz); Shnir, Y (Shnir, Yakov)

**Source:** PHYSICS LETTERS B **Volume:** 806 **Article Number:** 135497 **DOI:** 10.1016/j.physletb.2020.135497 **Published:** JUL 10 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Classical decay rates of oscillons

**Author(s):** Zhang, HY (Zhang, Hong-Yi); Amin, MA (Amin, Mustafa A.); Copeland, EJ (Copeland, Edmund J.); Saffin, PM (Saffin, Paul M.); Lozanov, KD (Lozanov, Kaloian D.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 055 **DOI:** 10.1088/1475-7516/2020/07/055 **Published:** JUL 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Explanation of detailed spectral properties of fast radio bursts by the axion star model

**Author(s):** Iwazaki, A (Iwazaki, Aiiichi)

**Source:** PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS **Volume:** 2020 **Issue:** 1 **Article Number:** 013E02 **DOI:** 10.1093/ptep/ptz142 **Published:** JAN 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2050-3911

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**Title:** Black hole formation in relativistic Oscillaton collisions

**Author(s):** Widdicombe, JY (Widdicombe, James Y.); Helfer, T (Helfer, Thomas); Lim, EA (Lim, Eugene A.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 027 **DOI:** 10.1088/1475-7516/2020/01/027 **Published:** JAN 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Perturbing the ground state of Dirac stars

**Author(s):** Daka, E (Daka, Emanuel); Phan, NN (Phan, Nhon N.); Kain, B (Kain, Ben)

**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article Number:** 084042 **DOI:** 10.1103/PhysRevD.100.084042 **Published:** OCT 21 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** The fate of dense scalar stars

**Author(s):** Muia, F (Muia, Francesco); Cicoli, M (Cicoli, Michele); Clough, K (Clough, Katy); Pedro, F (Pedro, Francisco); Quevedo, F (Quevedo, Fernando); Vacca, GP (Vacca, Gian Paolo)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 044 **DOI:** 10.1088/1475-7516/2019/07/044 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** How do scalar-field dark matter halos react to orbiting bodies?

**Author(s):** Ferreira, MC (Ferreira, Miguel C.)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 10 **Article Number:** 103008 **DOI:** 10.1103/PhysRevD.99.103008 **Published:** MAY 16 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Gravitational wave emission from collisions of compact scalar solitons

**Author(s):** Helfer, T (Helfer, Thomas); Lim, EA (Lim, Eugene A.); Garcia, MAG (Garcia, Marcos A. G.); Amin, MA (Amin, Mustafa A.)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 4 **Article Number:** 044046 **DOI:** 10.1103/PhysRevD.99.044046 **Published:** FEB 26 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Relativistic collapse of axion stars



**Author(s):** Michel, F (Michel, Florent); Moss, IG (Moss, Ian G.)  
**Source:** PHYSICS LETTERS B **Volume:** 785 **Pages:** 9-13 **DOI:** 10.1016/j.physletb.2018.07.063 **Published:** OCT 10 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Formation of relativistic axion stars  
**Author(s):** Widdicombe, JY (Widdicombe, James Y.); Helfer, T (Helfer, Thomas); Marsh, DJE (Marsh, David J. E.); Lim, EA (Lim, Eugene A.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 10 **Article Number:** 005 **DOI:** 10.1088/1475-7516/2018/10/005 **Published:** OCT 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Moduli stars  
**Author(s):** Krippendorf, S (Krippendorf, Sven); Muia, F (Muia, Francesco); Quevedo, F (Quevedo, Fernando)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 8 **Article Number:** 070 **DOI:** 10.1007/JHEP08(2018)070 **Published:** AUG 14 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Geodesics around oscillatons made of exponential scalar field potential  
**Author(s):** Mahmoodzadeh, A (Mahmoodzadeh, A.); Malekolkalami, B (Malekolkalami, B.)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 363 **Issue:** 8 **Article Number:** 173 **DOI:** 10.1007/s10509-018-3389-8 **Published:** AUG 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Motion in time-periodic backgrounds with applications to ultralight dark matter halos at galactic centers  
**Author(s):** Boskovic, M (Boskovic, Mateja); Duque, F (Duque, Francisco); Ferreira, MC (Ferreira, Miguel C.); Miguel, FS (Miguel, Filipe S.); Cardoso, V (Cardoso, Vitor)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 024037 **DOI:** 10.1103/PhysRevD.98.024037 **Published:** JUL 23 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Dynamical boson stars  
**Author(s):** Liebling, SL (Liebling, Steven L.); Palenzuela, C (Palenzuela, Carlos)  
**Source:** LIVING REVIEWS IN RELATIVITY **Volume:** 20 **Article**  
**Number:** 5 **DOI:** 10.1007/s41114-017-0007-y **Published:** NOV 13 2017  
**Language:** English  
**Document Type:** Review  
**ISSN:** 2367-3613  
**eISSN:** 1433-8351

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**Title:** Time-dependent scalar fields as candidates for dark matter  
**Author(s):** Malakolkalami, B (Malakolkalami, B.); Mahmoodzadeh, A (Mahmoodzadeh, A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article**  
**Number:** 103505 **DOI:** 10.1103/PhysRevD.94.103505 **Published:** NOV 7 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Asymptotically anti-de Sitter Proca stars  
**Author(s):** Duarte, M (Duarte, Miguel); Brito, R (Brito, Richard)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 6 **Article**  
**Number:** 064055 **DOI:** 10.1103/PhysRevD.94.064055 **Published:** SEP 20 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Interaction between bosonic dark matter and stars  
**Author(s):** Brito, R (Brito, Richard); Cardoso, V (Cardoso, Vitor); Macedo, CFB (Macedo, Caio F. B.); Okawa, H (Okawa, Hirotada); Palenzuela, C (Palenzuela, Carlos)  
**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 4 **Article**  
**Number:** 044045 **DOI:** 10.1103/PhysRevD.93.044045 **Published:** FEB 16 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Proca stars: Gravitating Bose-Einstein condensates of massive spin 1 particles  
**Author(s):** Brito, R (Brito, Richard); Cardoso, V (Cardoso, Vitor); Herdeiro, CAR (Herdeiro, Carlos A. R.); Radu, E (Radu, Eugen)  
**Source:** PHYSICS LETTERS B **Volume:** 752 **Pages:** 291-295 **DOI:** 10.1016/j.physletb.2015.11.051 **Published:** JAN 10 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Accretion of Dark Matter by Stars

**Author(s):** Brito, R (Brito, Richard); Cardoso, V (Cardoso, Vitor); Okawa, H (Okawa, Hirota)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 115 **Issue:** 11 **Article**

**Number:** 111301 **DOI:** 10.1103/PhysRevLett.115.111301 **Published:** SEP 9 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Axion stars and fast radio bursts

**Author(s):** Iwazaki, A (Iwazaki, Aiichi)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 2 **Article**

**Number:** 023008 **DOI:** 10.1103/PhysRevD.91.023008 **Published:** JAN 22 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Dynamical Boson Stars

**Author(s):** Liebling, SL (Liebling, Steven L.); Palenzuela, C (Palenzuela, Carlos)

**Source:** LIVING REVIEWS IN RELATIVITY **Volume:** 15 **Article**

**Number:** 6 **DOI:** 10.12942/lrr-2012-6 **Published:** 2012

**Language:** English

**Document Type:** Review

**ISSN:** 2367-3613

**eISSN:** 1433-8351

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**Title:** Numerical simulation of oscillatons: Extracting the radiating tail

**Author(s):** Grandclement, P (Grandclement, Philippe); Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 6 **Article**

**Number:** 065037 **DOI:** 10.1103/PhysRevD.84.065037 **Published:** SEP 30 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter

**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010

**Language:** English

**Document Type:** Article

ISSN: 1475-7516

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**Title:** Boson stars and oscillatons in an inflationary universe

**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)

**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article**

**Number:** 044043 **DOI:** 10.1103/PhysRevD.82.044043 **Published:** AUG 25 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Quantum radiation of oscillons

**Author(s):** Hertzberg, MP (Hertzberg, Mark P.)

**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article**

**Number:** 045022 **DOI:** 10.1103/PhysRevD.82.045022 **Published:** AUG 19 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** LUKEWARM DARK MATTER: BOSE CONDENSATION OF ULTRALIGHT PARTICLES

**Author(s):** Lundgren, AP (Lundgren, Andrew P.); Bondarescu, M (Bondarescu, Mihai); Bondarescu, R (Bondarescu, Ruxandra); Balakrishna, J (Balakrishna, Jayashree)

**Source:** ASTROPHYSICAL JOURNAL LETTERS **Volume:** 715 **Issue:** 1 **Pages:** L35-L39 **DOI:** 10.1088/2041-8205/715/1/L35 **Published:** MAY 20 2010

**Language:** English

**Document Type:** Article

**ISSN:** 2041-8205

**eISSN:** 2041-8213

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**Title:** Mass loss and longevity of gravitationally bound oscillating scalar lumps (oscillatons) in D dimensions

**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)

**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 6 **Article**

**Number:** 064029 **DOI:** 10.1103/PhysRevD.81.064029 **Published:** MAR 15 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Oscillons in dilaton-scalar theories

**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Horvath, Z (Horvath, Zalan); Mezei, M (Mezei, Mark)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 8 **Article**

**Number:** 106 **DOI:** 10.1088/1126-6708/2009/08/106 **Published:** AUG 2009

**Language:** English

**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Equation of state for neutralino star as a form of cold dark matter  
**Author(s):** Ren, J (Ren Jie); Li, XQ (Li Xue-Qian); Shen, H (Shen Hong)  
**Source:** COMMUNICATIONS IN THEORETICAL PHYSICS **Volume:** 49 **Issue:** 1 **Pages:** 212-216 **Published:** JAN 15 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0253-6102  
**eISSN:** 1572-9494

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**Title:** Numerical simulations of oscillating soliton stars: Excited states in spherical symmetry and ground state evolutions in 3D  
**Author(s):** Balakrishna, J (Balakrishna, Jayashree); Bondarescu, R (Bondarescu, Ruxandra); Daues, G (Daues, Gregory); Bondarescu, M (Bondarescu, Mihai)  
**Source:** PHYSICAL REVIEW D **Volume:** 77 **Issue:** 2 **Article Number:** 024028 **DOI:** 10.1103/PhysRevD.77.024028 **Published:** JAN 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Maxwell-Boltzmann gas with nonstandard self-interactions: A novel approach to galactic dark matter  
**Author(s):** Balakin, A (Balakin, A); Sussman, RA (Sussman, RA); Zimdahl, W (Zimdahl, W)  
**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 6 **Article Number:** 064027 **DOI:** 10.1103/PhysRevD.70.064027 **Published:** SEP 15 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Classical and quantum decay of oscillations: Oscillating self-gravitating real scalar field solitons  
**Author(s):** Page, DN (Page, DN)  
**Source:** PHYSICAL REVIEW D **Volume:** 70 **Issue:** 2 **Article Number:** 023002 **DOI:** 10.1103/PhysRevD.70.023002 **Published:** JUL 2004  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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- 2.1.a.68. **Tonatiuh Matos**, Darío Núñez, F. Siddhartha Guzmán and Erandy Ramírez. Quintessence-like Dark Matter in Spiral Galaxies. Rev. Mex. Fis, 49 (2003), 203-206. Available at: astro-ph/0003105.

5 citas

**Title:** Reissner-Nordstrom black holes with quintessence  
**Author(s):** Dariescu, MA (Dariescu, Marina-Aura); Dariescu, C (Dariescu, Ciprian)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 136 **Issue:** 4 **Article Number:** 375 **DOI:** 10.1140/epjp/s13360-021-01375-2 **Published:** APR 8 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Kerr-Newman-AdS black hole surrounded by perfect fluid matter in Rastall gravity  
**Author(s):** Xu, ZY (Xu, Zhaoyi); Hou, X (Hou, Xian); Gong, XB (Gong, Xiaobo); Wang, JC (Wang, Jiancheng)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 6 **Article Number:** 513 **DOI:** 10.1140/epjc/s10052-018-5991-x **Published:** JUN 20 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Single scale factor for the universe from the creation of radiation and matter till the present  
**Author(s):** Erdem, R (Erdem, Recai)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 74 **Issue:** 9 **Article Number:** 3066 **DOI:** 10.1140/epjc/s10052-014-3066-1 **Published:** SEP 23 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Modeling Galactic Halos with Predominantly Quintessential Matter  
**Author(s):** Rahaman, F (Rahaman, F.); Kuhfittig, PKF (Kuhfittig, Peter K. F.); Chakraborty, K (Chakraborty, K.); Kalam, M (Kalam, M.); Hossain, D (Hossain, D.)  
**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 50 **Issue:** 9 **Pages:** 2655-2665 **DOI:** 10.1007/s10773-011-0761-7 **Published:** SEP 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0020-7748  
**eISSN:** 1572-9575

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**Title:** Galactic rotation curves and brane-world models  
**Author(s):** Rahaman, F (Rahaman, F.); Kalam, M (Kalam, M.); DeBenedictis, A (DeBenedictis, A.); Usmani, AA (Usmani, A. A.); Ray, S (Ray, Saibal)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 389 **Issue:** 1 **Pages:** 27-33 **DOI:** 10.1111/j.1365-2966.2008.13559.x **Published:** SEP 1 2008

**Language:** English

**Document Type:** Article

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26 citas

**Title:** Precision Measurement Noise Asymmetry and Its Annual Modulation as a Dark Matter Signature

**Author(s):** Roberts, BM (Roberts, Benjamin M.); Derevianko, A (Derevianko, Andrei)

**Source:** UNIVERSE **Volume:** 7 **Issue:** 3 **Article**

**Number:** 50 **DOI:** 10.3390/universe7030050 **Published:** MAR 2021

**Language:** English

**Document Type:** Article

**eISSN:** 2218-1997

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**Title:** Searching for axion stars and Q-balls with a terrestrial magnetometer network

**Author(s):** Kimball, DFJ (Kimball, D. F. Jackson); Budker, D (Budker, D.); Eby, J (Eby, J.); Pospelov, M (Pospelov, M.); Pustelny, S (Pustelny, S.); Scholtes, T (Scholtes, T.); Stadnik, YV (Stadnik, Y. V.); Weis, A (Weis, A.); Wickenbrock, A (Wickenbrock, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 4 **Article**

**Number:** 043002 **DOI:** 10.1103/PhysRevD.97.043002 **Published:** FEB 7 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** CONSTRAINTS ON MACHO DARK MATTER FROM COMPACT STELLAR SYSTEMS IN ULTRA-FAINT DWARF GALAXIES

**Author(s):** Brandt, TD (Brandt, Timothy D.)

**Source:** ASTROPHYSICAL JOURNAL LETTERS **Volume:** 824 **Issue:** 2 **Article Number:** L31 **DOI:** 10.3847/2041-8205/824/2/L31 **Published:** JUN 20 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2041-8205  
**eISSN:** 2041-8213

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**Title:** Spherically Symmetric Solution of Gravitation Theory with a Dirac Scalar Field in the Cartan-Weyl Space

**Author(s):** Babourova, OV (Babourova, O. V.); Frolov, BN (Frolov, B. N.); Febres, EV (Febres, E. V.)

**Source:** RUSSIAN PHYSICS JOURNAL **Volume:** 57 **Issue:** 9 **Pages:** 1297-1299 **DOI:** 10.1007/s11182-015-0378-z **Published:** JAN 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1064-8887  
**eISSN:** 1573-9228

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**Title:** Gravitational collapse of Bose-Einstein condensate dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 084040 **DOI:** 10.1103/PhysRevD.89.084040 **Published:** APR 8 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Galactic rotation curves in hybrid metric-Palatini gravity

**Author(s):** Capozziello, S (Capozziello, Salvatore); Harko, T (Harko, Tiberiu); Koivisto, TS (Koivisto, Tomi S.); Lobo, FSN (Lobo, Francisco S. N.); Olmo, GJ (Olmo, Gonzalo J.)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 50-52 **Pages:** 65-75 **DOI:** 10.1016/j.astropartphys.2013.09.005 **Published:** DEC 2013

**Language:** English  
**Document Type:** Article  
**ISSN:** 0927-6505  
**eISSN:** 1873-2852

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**Title:** Dark energy-like stars from nonminimally coupled scalar field

**Author(s):** Horvat, D (Horvat, Dubravko); Marunovic, A (Marunovic, Anja)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 30 **Issue:** 14 **Article Number:** 145006 **DOI:** 10.1088/0264-9381/30/14/145006 **Published:** JUL 21 2013

**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Can the dark matter halo be a collisionless ensemble of axion stars?



**Author(s):** Barranco, J (Barranco, J.); Monteverde, AC (Carrillo Monteverde, A.); Delepine, D (Delepine, D.)

**Source:** PHYSICAL REVIEW D **Volume:** 87 **Issue:** 10 **Article Number:** 103011 **DOI:** 10.1103/PhysRevD.87.103011 **Published:** MAY 21 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Cosmological evolution of finite temperature Bose-Einstein condensate dark matter

**Author(s):** Harko, T (Harko, Tiberiu); Mocanu, G (Mocanu, Gabriela)

**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 8 **Article Number:** 084012 **DOI:** 10.1103/PhysRevD.85.084012 **Published:** APR 12 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Could pressureless dark matter have pressure?

**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.)

**Source:** ASTROPARTICLE PHYSICS **Volume:** 35 **Issue:** 9 **Pages:** 547-551 **DOI:** 10.1016/j.astropartphys.2012.01.001 **Published:** APR 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0927-6505

**eISSN:** 1873-2852

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**Title:** Finite temperature effects in Bose-Einstein condensed dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu); Madarassy, EJM (Madarassy, Eniko J. M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2012/01/020 **Published:** JAN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Numerical simulation of oscillatons: Extracting the radiating tail

**Author(s):** Grandclement, P (Grandclement, Philippe); Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 6 **Article Number:** 065037 **DOI:** 10.1103/PhysRevD.84.065037 **Published:** SEP 30 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Galactic rotation curves in brane world models

**Author(s):** Gergely, LA (Gergely, L. A.); Harko, T (Harko, T.); Dwornik, M (Dwornik, M.); Kupi, G (Kupi, G.); Keresztes, Z (Keresztes, Z.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 415 **Issue:** 4 **Pages:** 3275-3290 **DOI:** 10.1111/j.1365-2966.2011.18941.x **Published:** AUG 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Two-fluid dark matter models

**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 12 **Article Number:** 124051 **DOI:** 10.1103/PhysRevD.83.124051 **Published:** JUN 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Gravipulsons

**Author(s):** Koutvitsky, VA (Koutvitsky, Vladimir A.); Maslov, EM (Maslov, Eugene M.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 12 **Article Number:** 124028 **DOI:** 10.1103/PhysRevD.83.124028 **Published:** JUN 17 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Evolution of cosmological perturbations in Bose-Einstein condensate dark matter

**Author(s):** Harko, T (Harko, T.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 413 **Issue:** 4 **Pages:** 3095-3104 **DOI:** 10.1111/j.1365-2966.2011.18386.x **Published:** JUN 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Self-gravitating system made of axions

**Author(s):** Barranco, J (Barranco, J.); Bernal, A (Bernal, A.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 4 **Article Number:** 043525 **DOI:** 10.1103/PhysRevD.83.043525 **Published:** FEB 23 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter  
**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Galactic rotation curves in modified gravity with nonminimal coupling between matter and geometry  
**Author(s):** Harko, T (Harko, T.)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 8 **Article Number:** 084050 **DOI:** 10.1103/PhysRevD.81.084050 **Published:** APR 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Mass loss and longevity of gravitationally bound oscillating scalar lumps (oscillatons) in D dimensions  
**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 6 **Article Number:** 064029 **DOI:** 10.1103/PhysRevD.81.064029 **Published:** MAR 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** IS DARK MATTER AN EXTRA-DIMENSIONAL EFFECT?  
**Author(s):** Kahil, ME (Kahil, M. E.); Harko, T (Harko, T.)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 24 **Issue:** 9 **Pages:** 667-682 **DOI:** 10.1142/S0217732309028667 **Published:** MAR 21 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Equation of state for neutralino star as a form of cold dark matter  
**Author(s):** Ren, J (Ren Jie); Li, XQ (Li Xue-Qian); Shen, H (Shen Hong)  
**Source:** COMMUNICATIONS IN THEORETICAL PHYSICS **Volume:** 49 **Issue:** 1 **Pages:** 212-216 **Published:** JAN 15 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0253-6102  
**eISSN:** 1572-9494

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**Title:** Galactic dark matter as a bulk effect on the brane  
**Author(s):** Bohmer, CG (Bohmer, C. G.); Harko, T (Harko, T.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 24 **Issue:** 13 **Pages:** 3191-3209 **DOI:** 10.1088/0264-9381/24/13/004 **Published:** JUL 7 2007  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Gravitational cooling of self-gravitating bose condensates  
**Author(s):** Guzman, FS (Siddhartha Guzman, F.); Urena-Lopez, LA (Arturo Urena-Lopez, L.)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 645 **Issue:** 2 **Pages:** 814-819 **DOI:** 10.1086/504508 **Part:** 1 **Published:** JUL 10 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Galactic metric, dark radiation, dark pressure, and gravitational lensing in brane world models  
**Author(s):** Harko, T (Harko, T); Cheng, KS (Cheng, KS)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 636 **Issue:** 1 **Pages:** 8-20 **DOI:** 10.1086/498141 **Part:** 1 **Published:** JAN 1 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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10 citas

**Title:** Poisson type relativistic perfect fluid spheres  
**Author(s):** Garcia-Reyes, G (Garcia-Reyes, Gonzalo)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 135 **Issue:** 11 **Article Number:** 931 **DOI:** 10.1140/epjp/s13360-020-00948-x **Published:** NOV 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** The dark-baryonic matter mass relation for observational verification in Verlinde's emergent gravity  
**Author(s):** Shen, JQ (Shen, Jian Qi)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 50 **Issue:** 6 **Article Number:** 73 **DOI:** 10.1007/s10714-018-2382-4 **Published:** JUN 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Distribution functions for a family of general-relativistic hypervirial models in the collisionless regime

**Author(s):** Gauy, HM (Gauy, Henrique Matheus); Ramos-Caro, J (Ramos-Caro, Javier)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 6 **Article**

**Number:** 064012 **DOI:** 10.1103/PhysRevD.97.064012 **Published:** MAR 15 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Light on curved backgrounds

**Author(s):** Batic, D (Batic, D.); Nelson, S (Nelson, S.); Nowakowski, M (Nowakowski, M.)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 10 **Article**

**Number:** 104015 **DOI:** 10.1103/PhysRevD.91.104015 **Published:** MAY 15 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** The effect of an expanding universe on massive objects

**Author(s):** Nandra, R (Nandra, Roshina); Lasenby, AN (Lasenby, Anthony N.); Hobson, MP (Hobson, Michael P.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 422 **Issue:** 4 **Pages:** 2945-2959 **DOI:** 10.1111/j.1365-2966.2012.20617.x **Published:** JUN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Entropic upper bound on gravitational binding energy

**Author(s):** Vignat, C (Vignat, C.); Plastino, A (Plastino, A.); Plastino, AR (Plastino, A. R.)

**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 390 **Issue:** 13 **Pages:** 2491-

2496 **DOI:** 10.1016/j.physa.2011.02.042 **Published:** JUL 1 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0378-4371

**eISSN:** 1873-2119

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**Title:** On a unified theory of cold dark matter halos based on collisionless Boltzmann-Poisson polytropes

**Author(s):** Calvo, J (Calvo, J.); Florido, E (Florido, E.); Sanchez, O (Sanchez, O.); Battaner, E (Battaner, E.); Soler, J (Soler, J.); Ruiz-Granados, B (Ruiz-Granados, B.)

**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 388 **Issue:** 12 **Pages:** 2321-2330 **DOI:** 10.1016/j.physa.2009.02.045 **Published:** JUN 15 2009

**Language:** English

**Document Type:** Article

**ISSN:** 0378-4371

**eISSN:** 1873-2119

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**Title:** Can dark matter be a Bose-Einstein condensate?

**Author(s):** Bohmer, CG (Bohmer, C. G.); Harko, T (Harko, T.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 025 **DOI:** 10.1088/1475-7516/2007/06/025 **Published:** JUN 2007

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Galactic metric, dark radiation, dark pressure, and gravitational lensing in brane world models

**Author(s):** Harko, T (Harko, T); Cheng, KS (Cheng, KS)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 636 **Issue:** 1 **Pages:** 8-20 **DOI:** 10.1086/498141 **Part:** 1 **Published:** JAN 1 2006

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Conformally symmetric vacuum solutions of the gravitational field equations in the brane-world models

**Author(s):** Harko, T (Harko, T); Mak, MK (Mak, MK)

**Source:** ANNALS OF PHYSICS **Volume:** 319 **Issue:** 2 **Pages:** 471-492 **DOI:** 10.1016/j.aop.2005.04.010 **Published:** OCT 2005

**Language:** English

**Document Type:** Article

**ISSN:** 0003-4916

**eISSN:** 1096-035X

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**Title:** Null and Timelike Geodesics near the Throats of Phantom Scalar Field Wormholes  
**Author(s):** Potashov, I (Potashov, Ivan); Tchemarina, J (Tchemarina, Julia); Tsirulev, A (Tsirulev, Alexander)

**Source:** UNIVERSE **Volume:** 6 **Issue:** 10 **Article Number:** 183 **DOI:** 10.3390/universe6100183 **Published:** OCT 2020

**Language:** English

**Document Type:** Article

**eISSN:** 2218-1997

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**Title:** Bound orbits near scalar field naked singularities

**Author(s):** Potashov, IM (Potashov, I. M.); Tchemarina, JV (Tchemarina, Ju. V.); Tsirulev, AN (Tsirulev, A. N.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 8 **Article Number:** 709 **DOI:** 10.1140/epjc/s10052-019-7192-7 **Published:** AUG 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Scalar field dark matter: helping or hurting small-scale problems in cosmology?

**Author(s):** Robles, VH (Robles, Victor H.); Bullock, JS (Bullock, James S.); Boylan-Kolchin, M (Boylan-Kolchin, Michael)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 483 **Issue:** 1 **Pages:** 289-298 **DOI:** 10.1093/mnras/sty3190 **Published:** FEB 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter

**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Inflation from supersymmetric quantum cosmology

**Author(s):** Socorro, J (Socorro, J.); D'Oleire, M (D'Oleire, Marco)

**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article Number:** 044008 **DOI:** 10.1103/PhysRevD.82.044008 **Published:** AUG 5 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

eISSN: 1550-2368

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**Title:** Power-law solutions and accelerated expansion in scalar-tensor theories  
**Author(s):** Batista, CEM (Batista, C. E. M.); Zimdahl, W (Zimdahl, W.)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 2 **Article Number:** 023527 **DOI:** 10.1103/PhysRevD.82.023527 **Published:** JUL 28 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Is Dark Matter a BEC or Scalar Field?  
**Author(s):** Lee, JW (Lee, Jae-Weon)  
**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 54 **Issue:** 6 **Special Issue:** SI **Pages:** 2622-2625 **DOI:** 10.3938/jkps.54.2622 **Part:** 1 **Published:** JUN 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0374-4884  
**eISSN:** 1976-8524

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**Title:** Scalar field dark matter: Head-on interaction between two structures  
**Author(s):** Bernal, A (Bernal, Argelia); Guzman, FS (Guzman, F. Siddhartha)  
**Source:** PHYSICAL REVIEW D **Volume:** 74 **Issue:** 10 **Article Number:** 103002 **DOI:** 10.1103/PhysRevD.74.103002 **Published:** NOV 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Black hole space-time in dark matter halo  
**Author(s):** Xu, ZY (Xu, Zhaoyi); Hou, X (Hou, Xian); Gong, XB (Gong, Xiaobo); Wang, JC (Wang, Jiancheng)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 038 **DOI:** 10.1088/1475-7516/2018/09/038 **Published:** SEP 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Light on curved backgrounds



**Author(s):** Batic, D (Batic, D.); Nelson, S (Nelson, S.); Nowakowski, M (Nowakowski, M.)  
**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 10 **Article Number:** 104015 **DOI:** 10.1103/PhysRevD.91.104015 **Published:** MAY 15 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Brane-f(R) gravity and dark matter  
**Author(s):** Sefiedgar, AS (Sefiedgar, A. S.); Haghani, Z (Haghani, Z.); Sepangi, HR (Sepangi, H. R.)  
**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 6 **Article Number:** 064012 **DOI:** 10.1103/PhysRevD.85.064012 **Published:** MAR 8 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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8 citas

**Title:** Effects of anisotropy on the sign-changeable interacting Tsallis holographic dark energy  
**Author(s):** Zadeh, MA (Zadeh, M. Abdollahi); Sheykhi, A (Sheykhi, A.); Bamba, K (Bamba, Kazuharu); Moradpour, H (Moradpour, H.)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 35 **Issue:** 9 **Article Number:** 2050053 **DOI:** 10.1142/S0217732320500534 **Published:** MAR 21 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Black hole space-time in dark matter halo  
**Author(s):** Xu, ZY (Xu, Zhaoyi); Hou, X (Hou, Xian); Gong, XB (Gong, Xiaobo); Wang, JC (Wang, Jiancheng)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 038 **DOI:** 10.1088/1475-7516/2018/09/038 **Published:** SEP 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Tsallis holographic dark energy  
**Author(s):** Tavayef, M (Tavayef, M.); Sheykhi, A (Sheykhi, A.); Bamba, K (Bamba, Kazuharu); Moradpour, H (Moradpour, H.)

**Source:** PHYSICS LETTERS B **Volume:** 781 **Pages:** 195-200 **DOI:** 10.1016/j.physletb.2018.04.001 **Published:** JUN 10 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Generalized entropy formalism and a new holographic dark energy model

**Author(s):** Jahromi, AS (Jahromi, A. Sayahian); Moosavi, SA (Moosavi, S. A.); Moradpour, H (Moradpour, H.); Graca, JPM (Morais Graca, J. P.); Lobo, IP (Lobo, I. P.); Salako, IG (Salako, I. G.); Jawad, A (Jawad, A.)

**Source:** PHYSICS LETTERS B **Volume:** 780 **Pages:** 21-24 **DOI:** 10.1016/j.physletb.2018.02.052 **Published:** MAY 10 2018

**Language:** English

**Document Type:** Article

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**Title:** Dark matter halo as the dispersional gravitational lens

**Author(s):** Chechin, LM (Chechin, L. M.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 29 **Issue:** 37 **Article Number:** 1440002 **DOI:** 10.1142/S0217732314400021 **Published:** DEC 7 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

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**Title:** A galaxy-like perturbation of the robertson-walker metric

**Author(s):** Wilson, B (Wilson, Brian); Dyer, CC (Dyer, Charles C.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 39 **Issue:** 12 **Pages:** 2001-2015 **DOI:** 10.1007/s10714-007-0497-0 **Published:** DEC 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

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**Title:** Astrophysical configurations with background cosmology: probing dark energy at astrophysical scales

**Author(s):** Balaguera-Antolinez, A (Balaguera-Antolinez, A.); Mota, DF (Mota, D. F.); Nowakowski, M (Nowakowski, M.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 382 **Issue:** 2 **Pages:** 621-640 **DOI:** 10.1111/j.1365-2966.2007.12383.x **Published:** DEC 1 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Test of nonextensive statistical mechanics by solar sound speeds

**Author(s):** Du, JL (Du, Jiulin)

**Source:** EUROPHYSICS LETTERS **Volume:** 75 **Issue:** 6 **Pages:** 861-867 **DOI:** 10.1209/epl/i2006-10196-3 **Published:** SEP 2006

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**Title:** Two models unifying warm inflation with dark matter and dark energy

**Author(s):** Zhang, XM (Zhang, Xiao-Min); Li, K (Li, Kai); Guo, YF (Guo, Yi-Fu); Chu, PC (Chu, Peng-Cheng); Liu, H (Liu, He); Zhu, JY (Zhu, Jian-Yang)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 10 **Article Number:** 103513 **DOI:** 10.1103/PhysRevD.104.103513 **Published:** NOV 16 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Deep learning approach to Hubble parameter

**Author(s):** Tilaver, H (Tilaver, H.); Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.); Kangal, EE (Kangal, E. E.)

**Source:** COMPUTER PHYSICS COMMUNICATIONS **Volume:** 261 **Article Number:** 107809 **DOI:** 10.1016/j.cpc.2020.107809 **Published:** APR 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0010-4655

**eISSN:** 1879-2944

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**Title:** Polytropic Carnot heat engine

**Author(s):** Askin, M (Askin, M.); Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 34 **Issue:** 24 **Article Number:** 1950197 **DOI:** 10.1142/S0217732319501979 **Published:** AUG 10 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Self-gravitating gaseous spheres in 5D framework

**Author(s):** Kangal, EE (Kangal, E. E.)

**Source:** CHINESE JOURNAL OF PHYSICS **Volume:** 58 **Pages:** 85-97 **DOI:** 10.1016/j.cjph.2019.01.007 **Published:** APR 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 0577-9073

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**Title:** Variable Chaplygin gas in Kaluza-Klein framework  
**Author(s):** Salti, M (Salti, M.); Aydogdu, O (Aydogdu, O.); Tas, A (Tas, A.); Sogut, K (Sogut, K.); Kangal, EE (Kangal, E. E.)  
**Source:** CANADIAN JOURNAL OF PHYSICS **Volume:** 97 **Issue:** 2 **Pages:** 117-124 **DOI:** 10.1139/cjp-2017-0873 **Published:** FEB 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0008-4204  
**eISSN:** 1208-6045

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**Title:** Variable generalized Chaplygin gas in a 5D cosmology  
**Author(s):** Salti, M (Salti, Mustafa); Aydogdu, O (Aydogdu, Oktay); Yanar, H (Yanar, Hilmi); Sogut, K (Sogut, Kenan)  
**Source:** ANNALS OF PHYSICS **Volume:** 390 **Pages:** 131-142 **DOI:** 10.1016/j.aop.2018.01.007 **Published:** MAR 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0003-4916  
**eISSN:** 1096-035X

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**Title:** Unified model of k-inflation, dark matter, and dark energy  
**Author(s):** Bose, N (Bose, Nilok); Majumdar, AS (Majumdar, A. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 10 **Article Number:** 103508 **DOI:** 10.1103/PhysRevD.80.103508 **Published:** NOV 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** k-essence model of inflation, dark matter, and dark energy  
**Author(s):** Bose, N (Bose, Nilok); Majumdar, AS (Majumdar, A. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 79 **Issue:** 10 **Article Number:** 103517 **DOI:** 10.1103/PhysRevD.79.103517 **Published:** MAY 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** On the past asymptotic dynamics of non-minimally coupled dark energy  
**Author(s):** Leon, G (Leon, Genly)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 26 **Issue:** 3 **Article Number:** 035008 **DOI:** 10.1088/0264-9381/26/3/035008 **Published:** FEB 7 2009

**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Trapped quintessential inflation in the context of flux compactifications  
**Author(s):** Sanchez, JCB (Sanchez, J. C. Bueno); Dimopoulos, K (Dimopoulos, K.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 10 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2007/10/002 **Published:** OCT 2007  
**Language:** English  
**Document Type:** Review  
**ISSN:** 1475-7516

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**Title:** Dark energy in hybrid inflation  
**Author(s):** Gong, JO (Gong, Jinn-Ouk); Kim, S (Kim, Seongcheol)  
**Source:** PHYSICAL REVIEW D **Volume:** 75 **Issue:** 6 **Article Number:** 063520 **DOI:** 10.1103/PhysRevD.75.063520 **Published:** MAR 2007  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Cosmology with a variable Chaplygin gas  
**Author(s):** Guo, ZK (Guo, Zong-Kuan); Zhang, YZ (Zhang, Yuan-Zhong)  
**Source:** PHYSICS LETTERS B **Volume:** 645 **Issue:** 4 **Pages:** 326-329 **DOI:** 10.1016/j.physletb.2006.12.063 **Published:** FEB 15 2007  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Trapped quintessential inflation  
**Author(s):** Sanchez, JCB (Sanchez, J. C. Bueno); Dimopoulos, K (Dimopoulos, K.)  
**Source:** PHYSICS LETTERS B **Volume:** 642 **Issue:** 4 **Pages:** 294-301 **DOI:** 10.1016/j.physletb.2006.09.045 **Published:** NOV 16 2006  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Curvaton dynamics in brane-worlds  
**Author(s):** Papantonopoulos, E (Papantonopoulos, Eleftherios); Zamarias, V (Zamarias, Vassilios)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 005 **DOI:** 10.1088/1475-7516/2006/11/005 **Published:** NOV 2006

**Language:** English  
**Document Type:** Review  
**ISSN:** 1475-7516

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28 citas

**Title:** General constraints on Horndeski wormhole throats  
**Author(s):** Korolev, R (Korolev, Roman); Lobo, FSN (Lobo, Francisco S. N.); Sushkov, SV (Sushkov, Sergey, V)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 12 **Article**  
**Number:** 124057 **DOI:** 10.1103/PhysRevD.101.124057 **Published:** JUN 26 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Stability of charged rotating (2+1)-dimensional wormholes  
**Author(s):** Sharif, M (Sharif, M.); Javed, F (Javed, Faisal)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 29 **Issue:** 1 **Article**  
**Number:** 2050007 **DOI:** 10.1142/S0218271820500078 **Published:** JAN 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Rotating thin-shell wormholes with scalar field  
**Author(s):** Sharif, M (Sharif, M.); Mumtaz, S (Mumtaz, Saadia)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 34 **Issue:** 25 **Article**  
**Number:** 1950206 **DOI:** 10.1142/S0217732319502067 **Published:** AUG 20 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Scalar and axial quasinormal modes of massive static phantom wormholes  
**Author(s):** Blazquez-Salcedo, JL (Blazquez-Salcedo, Jose Luis); Chew, XY (Chew, Xiao Yan); Kunz, J (Kunz, Jutta)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 4 **Article**  
**Number:** 044035 **DOI:** 10.1103/PhysRevD.98.044035 **Published:** AUG 22 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Linear stability analysis of a rotating thin-shell wormhole  
**Author(s):** Tsukamoto, N (Tsukamoto, Naoki); Kokubu, T (Kokubu, Takafumi)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 4 **Article**  
**Number:** 044026 **DOI:** 10.1103/PhysRevD.98.044026 **Published:** AUG 15 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** A self-sustained traversable scale-dependent wormhole  
**Author(s):** Contreras, E (Contreras, Ernesto); Bargueno, P (Bargueno, Pedro)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 27 **Issue:** 9 **Article**  
**Number:** 1850101 **DOI:** 10.1142/S0218271818501018 **Published:** JUL 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Spinning wormholes in scalar-tensor theory  
**Author(s):** Chew, XY (Chew, Xiao Yan); Kleihaus, B (Kleihaus, Burkhard); Kunz, J (Kunz, Jutta)  
**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 6 **Article**  
**Number:** 064026 **DOI:** 10.1103/PhysRevD.97.064026 **Published:** MAR 23 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Uniqueness of higher-dimensional Einstein-Maxwell-phantom dilaton field wormholes  
**Author(s):** Rogatko, M (Rogatko, Marek)  
**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 6 **Article**  
**Number:** 064023 **DOI:** 10.1103/PhysRevD.97.064023 **Published:** MAR 21 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Uniqueness of higher-dimensional phantom field wormholes  
**Author(s):** Rogatko, M (Rogatko, Marek)  
**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 2 **Article**  
**Number:** 024001 **DOI:** 10.1103/PhysRevD.97.024001 **Published:** JAN 3 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010

eISSN: 2470-0029

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**Title:** Nonlinear dynamics in the Einstein-Gauss-Bonnet gravity  
**Author(s):** Shinkai, H (Shinkai, Hisa-aki); Torii, T (Torii, Takashi)  
**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 4 **Article Number:** 044009 **DOI:** 10.1103/PhysRevD.96.044009 **Published:** AUG 9 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Rotating Wormholes  
**Author(s):** Kleihaus, B (Kleihaus, Burkhard); Kunz, J (Kunz, Jutta)  
**Edited by:** Lobo FSN  
**Source:** WORMHOLES, WARP DRIVES AND ENERGY CONDITIONS **Book Series:** Fundamental Theories of Physics **Volume:** 189 **Pages:** 35-61 **DOI:** 10.1007/978-3-319-55182-1\_3 **Published:** 2017  
**Language:** English  
**Document Type:** Article; Book Chapter  
**ISSN:** 0168-1222  
**eISSN:** 2365-6425  
**ISBN:** 978-3-319-55182-1; 978-3-319-55181-4  
**Book DOI:** 10.1007/978-3-319-55182-1

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**Title:** Geometry of spinning Ellis wormholes  
**Author(s):** Chew, XY (Chew, Xiao Yan); Kleihaus, B (Kleihaus, Burkhard); Kunz, J (Kunz, Jutta)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article Number:** 104031 **DOI:** 10.1103/PhysRevD.94.104031 **Published:** NOV 11 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Wormhole solutions sourced by fluids, II: three-fluid two-charged sources  
**Author(s):** Azreg-Ainou, M (Azreg-Ainou, Mustapha)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 76 **Issue:** 1 **Article Number:** 7 **DOI:** 10.1140/epjc/s10052-015-3836-4 **Published:** JAN 5 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Confined-exotic-matter wormholes with no gluing effects - Imaging supermassive wormholes and black holes  
**Author(s):** Azreg-Ainou, M (Azreg-Ainou, Mustapha)



**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 037 **DOI:** 10.1088/1475-7516/2015/07/037 **Published:** JUL 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Cosmology without Einstein's assumption that inertial mass produces gravity

**Author(s):** Ellis, HG (Ellis, Homer G.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 24 **Issue:** 8 **Article**

**Number:** 1550069 **DOI:** 10.1142/S0218271815500698 **Published:** JUL 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Rotating Ellis wormholes in four dimensions

**Author(s):** Kleihaus, B (Kleihaus, Burkhard); Kunz, J (Kunz, Jutta)

**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 12 **Article**

**Number:** 121503 **DOI:** 10.1103/PhysRevD.90.121503 **Published:** DEC 30 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Rotating wormholes in five dimensions

**Author(s):** Dzhunushaliev, V (Dzhunushaliev, Vladimir); Folomeev, V (Folomeev, Vladimir); Kleihaus, B (Kleihaus, Burkhard); Kunz, J (Kunz, Jutta); Radu, E (Radu, Eugen)

**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 12 **Article**

**Number:** 124028 **DOI:** 10.1103/PhysRevD.88.124028 **Published:** DEC 10 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Dynamics of test particles in thin-shell wormhole spacetimes

**Author(s):** Diemer, V (Diemer, Valeria); Smolarek, E (Smolarek, Elena)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 30 **Issue:** 17 **Article**

**Number:** 175014 **DOI:** 10.1088/0264-9381/30/17/175014 **Published:** SEP 7 2013

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Exact dynamical AdS black holes and wormholes with a Klein-Gordon field

**Author(s):** Maeda, H (Maeda, Hideki)

**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 4 **Article Number:** 044016 **DOI:** 10.1103/PhysRevD.86.044016 **Published:** AUG 8 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** ENERGY CONTENTS OF THE WORMHOLES  
**Author(s):** Ulu, M (Ulu, Melis); Turkoglu, MM (Turkoglu, Murat Metehan)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 26 **Issue:** 21 **Pages:** 1587-1600 **DOI:** 10.1142/S0217732311036103 **Published:** JUL 10 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Rotating thin-shell wormhole from glued Kerr spacetimes  
**Author(s):** Kashargin, PE (Kashargin, P. E.); Sushkov, SV (Sushkov, S. V.)  
**Source:** GRAVITATION & COSMOLOGY **Volume:** 17 **Issue:** 2 **Pages:** 119-125 **DOI:** 10.1134/S0202289311020149 **Published:** APR 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0202-2893

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**Title:** Time-dependent wormhole in an inhomogeneous spherically symmetric space time with a cosmological constant  
**Author(s):** Bordbar, MR (Bordbar, M. R.); Riazi, N (Riazi, N.)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 331 **Issue:** 1 **Pages:** 315-320 **DOI:** 10.1007/s10509-010-0435-6 **Published:** JAN 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Linear stability of spherically symmetric and wormhole solutions supported by the sine-Gordon ghost scalar field  
**Author(s):** Dzhunushaliev, V (Dzhunushaliev, Vladimir); Folomeev, V (Folomeev, Vladimir); Singleton, D (Singleton, Douglas); Myrzakulov, R (Myrzakulov, Ratbay)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article Number:** 045032 **DOI:** 10.1103/PhysRevD.82.045032 **Published:** AUG 31 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Expanding (n+1)-dimensional wormhole solutions in Brans-Dicke cosmology  
**Author(s):** Ebrahimi, E (Ebrahimi, E.); Riazi, N (Riazi, N.)

**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 2 **Article**  
**Number:** 024036 **DOI:** 10.1103/PhysRevD.81.024036 **Published:** JAN 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Instability of charged wormholes supported by a ghost scalar field  
**Author(s):** Gonzalez, JA (Gonzalez, J. A.); Guzman, FS (Guzman, F. S.); Sarbach, O (Sarbach, O.)  
**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 2 **Article**  
**Number:** 024023 **DOI:** 10.1103/PhysRevD.80.024023 **Published:** JUL 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Instability of wormholes supported by a ghost scalar field: I. Linear stability analysis  
**Author(s):** Gonzalez, JA (Gonzalez, J. A.); Guzman, FS (Guzman, F. S.); Sarbach, O (Sarbach, O.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 26 **Issue:** 1 **Article**  
**Number:** 015010 **DOI:** 10.1088/0264-9381/26/1/015010 **Published:** JAN 7 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Evolving Lorentzian wormholes supported by phantom matter and cosmological constant  
**Author(s):** Cataldo, M (Cataldo, Mauricio); del Campo, S (del Campo, Sergio); Minning, P (Minning, Paul); Salgado, P (Salgado, Patricio)  
**Source:** PHYSICAL REVIEW D **Volume:** 79 **Issue:** 2 **Article**  
**Number:** 024005 **DOI:** 10.1103/PhysRevD.79.024005 **Published:** JAN 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Evolving Lorentzian wormholes supported by phantom matter with constant state parameters  
**Author(s):** Cataldo, M (Cataldo, Mauricio); Labrana, P (Labrana, Pedro); del Campo, S (del Campo, Sergio); Crisostomo, J (Crisostomo, Juan); Salgado, P (Salgado, Patricio)  
**Source:** PHYSICAL REVIEW D **Volume:** 78 **Issue:** 10 **Article**  
**Number:** 104006 **DOI:** 10.1103/PhysRevD.78.104006 **Published:** NOV 2008  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998

eISSN: 1550-2368

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17 citas

**Title:** The principle of maximum entropy explains the cores observed in the mass distribution of dwarf galaxies

**Author(s):** Sanchez Almeida, J (Sanchez Almeida, Jorge); Trujillo, I (Trujillo, Ignacio); Plastino, AR (Ricardo Plastino, Angel)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 642 **Article**

**Number:** L14 **DOI:** 10.1051/0004-6361/202039190 **Published:** OCT 12 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361

**eISSN:** 1432-0746

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**Title:** Cosmological perturbations in the Lambda CDM-like limit of a polytropic dark matter model

**Author(s):** Kleidis, K (Kleidis, K.); Spyrou, NK (Spyrou, N. K.)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 606 **Article**

**Number:** A116 **DOI:** 10.1051/0004-6361/201630364 **Published:** OCT 23 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1432-0746

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**Title:** Dark matter concentrations in galactic nuclei according to polytropic models

**Author(s):** Saxton, CJ (Saxton, Curtis J.); Younsi, Z (Younsi, Ziri); Wu, K (Wu, Kinwah)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 461 **Issue:** 4 **Pages:** 4295-

4316 **DOI:** 10.1093/mnras/stw1626 **Published:** OCT 1 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Dark Energy: The Shadowy Reflection of Dark Matter?

**Author(s):** Kleidis, K (Kleidis, Kostas); Spyrou, NK (Spyrou, Nikolaos K.)

**Source:** ENTROPY **Volume:** 18 **Issue:** 3 **DOI:** 10.3390/e18030094 **Published:** MAR 2016

**Language:** English

**Document Type:** Review

**eISSN:** 1099-4300

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**Title:** Polytropic dark matter flows illuminate dark energy and accelerated expansion

**Author(s):** Kleidis, K (Kleidis, K.); Spyrou, NK (Spyrou, N. K.)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 576 **Article Number:** A23 **DOI:** 10.1051/0004-6361/201424402 **Published:** APR 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1432-0746

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**Title:** Dark halo microphysics and massive black hole scaling relations in galaxies

**Author(s):** Saxton, CJ (Saxton, Curtis J.); Soria, R (Soria, Roberto); Wu, K (Wu, Kinwah)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 445 **Issue:** 4 **Pages:** 3415-3434 **DOI:** 10.1093/mnras/stu1984 **Published:** DEC 21 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Gravitational and distributed heating effects of a cD galaxy on the hydrodynamical structure of its host cluster

**Author(s):** Saxton, CJ (Saxton, Curtis J.); Wu, KW (Wu, Kinwah)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 437 **Issue:** 4 **Pages:** 3750-3765 **DOI:** 10.1093/mnras/stt2170 **Published:** FEB 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Galaxy stability within a self-interacting dark matter halo

**Author(s):** Saxton, CJ (Saxton, Curtis J.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 430 **Issue:** 3 **Pages:** 1578-1598 **DOI:** 10.1093/mnras/sts689 **Published:** APR 2013

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Non-Gaussian statistics, Maxwellian derivation and stellar polytropes

**Author(s):** Bento, EP (Bento, E. P.); Silva, JRP (Silva, J. R. P.); Silva, R (Silva, R.)

**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 392 **Issue:** 4 **Pages:** 666-672 **DOI:** 10.1016/j.physa.2012.10.022 **Published:** FEB 15 2013

**Language:** English

**Document Type:** Article

**ISSN:** 0378-4371

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**Title:** Polytropic dark haloes of elliptical galaxies  
**Author(s):** Saxton, CJ (Saxton, Curtis J.); Ferreras, I (Ferreras, Ignacio)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 405 **Issue:** 1 **Pages:** 77-90 **DOI:** 10.1111/j.1365-2966.2010.16448.x **Published:** JUN 11 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Flat Galaxies with Dark Matter Halos-Existence and Stability  
**Author(s):** Firt, R (Firt, Roman); Rein, G (Rein, Gerhard); Seehafer, M (Seehafer, Martin)  
**Source:** COMMUNICATIONS IN MATHEMATICAL PHYSICS **Volume:** 291 **Issue:** 1 **Pages:** 225-255 **DOI:** 10.1007/s00220-009-0872-7 **Published:** OCT 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0010-3616  
**eISSN:** 1432-0916

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**Title:** On a unified theory of cold dark matter halos based on collisionless Boltzmann-Poisson polytropes  
**Author(s):** Calvo, J (Calvo, J.); Florido, E (Florido, E.); Sanchez, O (Sanchez, O.); Battaner, E (Battaner, E.); Soler, J (Soler, J.); Ruiz-Granados, B (Ruiz-Granados, B.)  
**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 388 **Issue:** 12 **Pages:** 2321-2330 **DOI:** 10.1016/j.physa.2009.02.045 **Published:** JUN 15 2009  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0378-4371  
**eISSN:** 1873-2119

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**Title:** Application of Callista Roy's Adaptation Model in Latin America: a Review of the Literature  
**Author(s):** Moreno-Fergusson, ME (Elisa Moreno-Fergusson, Maria); Alvarado-Garcia, AM (Maria Alvarado-Garcia, Alejandra)  
**Source:** AQUICHAN **Volume:** 9 **Issue:** 1 **Pages:** 62-72 **Published:** 2009  
**Language:** Spanish  
**Document Type:** Review  
**ISSN:** 1657-5997  
**eISSN:** 2027-5374

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**Title:** Family functioning and anxiety in adult patients with chronic disease  
**Author(s):** Zavala-Rodriguez, MD (del Refugio Zavala-Rodriguez, Ma); Rios-Guerra, MD (del Carmen Rios-Guerra, Maria); Garcia-Madrid, G (Garcia-Madrid, Guillermina); Rodriguez-Hernandez, CP (Patricia Rodriguez-Hernandez, Claudia)

**Source:** AQUICHAN **Volume:** 9 **Issue:** 3 **Pages:** 257-270 **Published:** 2009

**Language:** Spanish

**Document Type:** Article

**ISSN:** 1657-5997

**eISSN:** 2027-5374

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**Title:** Radial structure, inflow and central mass of stationary radiative galaxy clusters

**Author(s):** Saxton, CJ (Saxton, Curtis J.); Wu, K (Wu, Kinwah)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 391 **Issue:** 3 **Pages:** 1403-1436 **DOI:** 10.1111/j.1365-2966.2008.13984.x **Published:** DEC 11 2008

**Language:** English

**Document Type:** Review

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Simulated dark-matter halos as a test of nonextensive statistical mechanics

**Author(s):** Feron, C (Feron, Chloe); Hjorth, J (Hjorth, Jens)

**Source:** PHYSICAL REVIEW E **Volume:** 77 **Issue:** 2 **Article Number:** 022106 **DOI:** 10.1103/PhysRevE.77.022106 **Part:** 1 **Published:** FEB 2008

**Language:** English

**Document Type:** Article

**ISSN:** 1539-3755

**eISSN:** 1550-2376

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**Title:** Astrophysical configurations with background cosmology: probing dark energy at astrophysical scales

**Author(s):** Balaguera-Antolinez, A (Balaguera-Antolinez, A.); Mota, DF (Mota, D. F.); Nowakowski, M (Nowakowski, M.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 382 **Issue:** 2 **Pages:** 621-640 **DOI:** 10.1111/j.1365-2966.2007.12383.x **Published:** DEC 1 2007

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

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**Title:** Extreme dark matter tests with extreme mass ratio inspirals

**Author(s):** Hannuksela, OA (Hannuksela, Otto A.); Ng, KCY (Ng, Kenny C. Y.); Li, TGF (Li, Tjonnie G. F.)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 10 **Article Number:** 103022 **DOI:** 10.1103/PhysRevD.102.103022 **Published:** NOV 19 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** How do scalar-field dark matter halos react to orbiting bodies?  
**Author(s):** Ferreira, MC (Ferreira, Miguel C.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 10 **Article Number:** 103008 **DOI:** 10.1103/PhysRevD.99.103008 **Published:** MAY 16 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Geodesics around oscillatons made of exponential scalar field potential  
**Author(s):** Mahmoodzadeh, A (Mahmoodzadeh, A.); Malekolkalami, B (Malekolkalami, B.)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 363 **Issue:** 8 **Article Number:** 173 **DOI:** 10.1007/s10509-018-3389-8 **Published:** AUG 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Motion in time-periodic backgrounds with applications to ultralight dark matter halos at galactic centers  
**Author(s):** Boskovic, M (Boskovic, Mateja); Duque, F (Duque, Francisco); Ferreira, MC (Ferreira, Miguel C.); Miguel, FS (Miguel, Filipe S.); Cardoso, V (Cardoso, Vitor)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 024037 **DOI:** 10.1103/PhysRevD.98.024037 **Published:** JUL 23 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Mass loss and longevity of gravitationally bound oscillating scalar lumps (oscillatons) in D dimensions  
**Author(s):** Fodor, G (Fodor, Gyula); Forgacs, P (Forgacs, Peter); Mezei, M (Mezei, Mark)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 6 **Article Number:** 064029 **DOI:** 10.1103/PhysRevD.81.064029 **Published:** MAR 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
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**Title:** Using atomic clocks to detect local dark matter halos

**Author(s):** Kouvaris, C (Kouvaris, Chris); Papantonopoulos, E (Papantonopoulos, Eleftherios); Street, L (Street, Lauren); Wijewardhana, LCR (Wijewardhana, L. C. R.)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 10 **Article**

**Number:** 103025 **DOI:** 10.1103/PhysRevD.104.103025 **Published:** NOV 18 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Long-wavelength nonlinear perturbations of a complex scalar field

**Author(s):** Padilla, LE (Padilla, Luis E.); Hidalgo, JC (Carlos Hidalgo, Juan); Nunez, D (Nunez, Dario)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article**

**Number:** 083513 **DOI:** 10.1103/PhysRevD.104.083513 **Published:** OCT 5 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Astronomy with energy dependent flavour ratios of extragalactic neutrinos

**Author(s):** Karmakar, S (Karmakar, Siddhartha); Pandey, S (Pandey, Sujata); Rakshit, S (Rakshit, Subhendu)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 10 **Article**

**Number:** 004 **DOI:** 10.1007/JHEP10(2021)004 **Published:** OCT 1 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Multifield, Multifrequency Bosonic Stars and a Stabilization Mechanism

**Author(s):** Sanchis-Gual, N (Sanchis-Gual, Nicolas); Di Giovanni, F (Di Giovanni, Fabrizio); Herdeiro, C (Herdeiro, Carlos); Radu, E (Radu, Eugen); Font, JA (Font, Jose A.)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 126 **Issue:** 24 **Article**

**Number:** 241105 **DOI:** 10.1103/PhysRevLett.126.241105 **Published:** JUN 17 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Modeling dark matter halos with nonlinear field theories

**Author(s):** Correa, RAC (Correa, R. A. C.); Moraes, PHRS (Moraes, P. H. R. S.); Dutra, AD (Dutra, A. de Souza); Dors, OL (Dors, O. L.); de Paulai, W (de Paulai, W.); Frederico, T (Frederico, T.)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article**

**Number:** 103519 **DOI:** 10.1103/PhysRevD.103.103519 **Published:** MAY 14 2021

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** The Big Bang is a Coordinate Singularity for  $k = -1$  Inflationary FLRW Spacetimes  
**Author(s):** Ling, E (Ling, Eric)  
**Source:** FOUNDATIONS OF PHYSICS **Volume:** 50 **Issue:** 5 **Pages:** 385-428 **DOI:** 10.1007/s10701-020-00335-7 **Early Access Date:** MAR 2020 **Published:** MAY 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0015-9018  
**eISSN:** 1572-9516

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**Title:** Interactions of astrophysical neutrinos with dark matter: a model building perspective  
**Author(s):** Pandey, S (Pandey, Sujata); Karmakar, S (Karmakar, Siddhartha); Rakshit, S (Rakshit, Subhendu)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 1 **Article Number:** 095 **DOI:** 10.1007/JHEP01(2019)095 **Published:** JAN 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Analytical study of charged boson stars with large scalar self-couplings  
**Author(s):** Kan, N (Kan, Nahomi); Shiraishi, K (Shiraishi, Kiyoshi)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 3 **Article Number:** 257 **DOI:** 10.1140/epjc/s10052-018-5745-9 **Published:** MAR 24 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Newtonian analysis of multiscalar boson stars with large self-couplings  
**Author(s):** Kan, N (Kan, Nahomi); Shiraishi, K (Shiraishi, Kiyoshi)  
**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 10 **Article Number:** 103009 **DOI:** 10.1103/PhysRevD.96.103009 **Published:** NOV 14 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Galaxy formation with BECDM - I. Turbulence and relaxation of idealized haloes  
**Author(s):** Mocz, P (Mocz, Philip); Vogelsberger, M (Vogelsberger, Mark); Robles, VH (Robles, Victor H.); Zavala, J (Zavala, Jesus); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Fialkov, A (Fialkov, Anastasia); Hernquist, L (Hernquist, Lars)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 471 **Issue:** 4 **Pages:** 4559-4570 **DOI:** 10.1093/mnras/stx1887 **Published:** NOV 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Radiation and energy release in a background field of axion-like dark matter

**Author(s):** Liao, W (Liao, Wei)

**Source:** PHYSICS LETTERS B **Volume:** 772 **Pages:** 708-711 **DOI:** 10.1016/j.physletb.2017.07.043 **Published:** SEP 10 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Analytical approximation for Newtonian boson stars in four and five dimensions

**Author(s):** Kan, N (Kan, Nahomi); Shiraishi, K (Shiraishi, Kiyoshi)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 10 **Article Number:** 104042 **DOI:** 10.1103/PhysRevD.94.104042 **Published:** NOV 15 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Are black holes a serious threat to scalar field dark matter models?

**Author(s):** Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Degollado, JC (Carlos Degollado, Juan); Diez-Tejedor, A (Diez-Tejedor, Alberto); Megevand, M (Megevand, Miguel); Alcubierre, M (Alcubierre, Miguel); Nunez, D (Nunez, Dario); Sarbach, O (Sarbach, Olivier)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 8 **Article Number:** 083008 **DOI:** 10.1103/PhysRevD.84.083008 **Published:** OCT 21 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter

**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Multistate boson stars

**Author(s):** Bernal, A (Bernal, A.); Barranco, J (Barranco, J.); Alic, D (Alic, D.); Palenzuela, C (Palenzuela, C.)

**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 4 **Article**

**Number:** 044031 **DOI:** 10.1103/PhysRevD.81.044031 **Published:** FEB 15 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** f(R) theories of gravity

**Author(s):** Sotiriou, TP (Sotiriou, Thomas P.); Faraoni, V (Faraoni, Valerio)

**Source:** REVIEWS OF MODERN PHYSICS **Volume:** 82 **Issue:** 1 **Pages:** 451-497 **DOI:** 10.1103/RevModPhys.82.451 **Published:** JAN-MAR 2010

**Language:** English

**Document Type:** Article

**ISSN:** 0034-6861

**eISSN:** 1539-0756

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article**

**Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**

**Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article**  
**Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article**  
**Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2212-6864

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity  
**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**  
**Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Phase transitions between dilute and dense axion stars  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article**  
**Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** A survey of spherically symmetric spacetimes

**Author(s):** Parry, AR (Parry, Alan R.)

**Source:** ANALYSIS AND MATHEMATICAL PHYSICS **Volume:** 4 **Issue:** 4 **Pages:** 333-375 **DOI:** 10.1007/s13324-014-0085-x **Published:** DEC 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1664-2368

**eISSN:** 1664-235X

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**Title:** Novel ansatz to obtain inflation in brane-worlds: the dynamical perspective

**Author(s):** Perez, JL (Perez, Juan L.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.); Urena-Lopez, LA (Urena-Lopez, Luis A.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 10 **Article Number:** 1804 **DOI:** 10.1007/s10714-014-1804-1 **Published:** OCT 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Ruling out bosonic repulsive dark matter in thermal equilibrium

**Author(s):** Slepian, Z (Slepian, Zachary); Goodman, J (Goodman, Jeremy)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 427 **Issue:** 1 **Pages:** 839-849 **DOI:** 10.1111/j.1365-2966.2012.21901.x **Published:** NOV 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Study of stability of relativistic ideal Bose-Einstein condensates

**Author(s):** Briscese, F (Briscese, F.); Grether, M (Grether, M.); de Llano, M (de Llano, M.); Baker, GA (Baker, George A., Jr.)

**Source:** PHYSICS LETTERS A **Volume:** 376 **Issue:** 45 **Pages:** 2911-2916 **DOI:** 10.1016/j.physleta.2012.08.036 **Published:** OCT 1 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0375-9601

**eISSN:** 1873-2429

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**Title:** Growth of perturbations in an expanding universe with Bose-Einstein condensate dark matter

**Author(s):** Chavanis, PH (Chavanis, P. H.)

**Source:** ASTRONOMY & ASTROPHYSICS **Volume:** 537 **Article Number:** A127 **DOI:** 10.1051/0004-6361/201116905 **Published:** JAN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6361

**eISSN:** 1432-0746

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with short-range interactions. I. Analytical results

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article**

**Number:** 043531 **DOI:** 10.1103/PhysRevD.84.043531 **Published:** AUG 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Interference pattern in the collision of structures in the Bose-Einstein condensate dark matter model: Comparison with fluids

**Author(s):** Gonzalez, JA (Gonzalez, J. A.); Guzman, FS (Guzman, F. S.)

**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 10 **Article**

**Number:** 103513 **DOI:** 10.1103/PhysRevD.83.103513 **Published:** MAY 10 2011

**Language:** English

**Document Type:** Article

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3 citas

**Title:** Hyperbolic symmetries, inflaton-phantom cosmology, and inflation

**Author(s):** Cartas-Fuentevilla, R (Cartas-Fuentevilla, R.); Escalante-Hernandez, A (Escalante-Hernandez, A.); Herrera-Aguilar, A (Herrera-Aguilar, A.); Gonzalez-Cuaglia, R (Gonzalez-Cuaglia, R.)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 135 **Issue:** 6 **Article**

**Number:** 529 **DOI:** 10.1140/epjp/s13360-020-00513-6 **Published:** JUN 27 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Toward physical cosmology: focus on inhomogeneous geometry and its non-perturbative effects

**Author(s):** Buchert, T (Buchert, Thomas)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 28 **Issue:** 16 **Article**

**Number:** 164007 **DOI:** 10.1088/0264-9381/28/16/164007 **Published:** AUG 21 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Multiscale cosmology and structure-emerging dark energy: A plausibility analysis  
**Author(s):** Wiegand, A (Wiegand, Alexander); Buchert, T (Buchert, Thomas)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 2 **Article**  
**Number:** 023523 **DOI:** 10.1103/PhysRevD.82.023523 **Published:** JUL 26 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
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2 citas

**Title:** Unification models with reheating via primordial black holes  
**Author(s):** Hidalgo, JC (Hidalgo, J. C.); Urena-Lopez, LA (Arturo Urena-Lopez, L.); Liddle, AR (Liddle, Andrew R.)  
**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 4 **Article**  
**Number:** 044055 **DOI:** 10.1103/PhysRevD.85.044055 **Published:** FEB 23 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Induced gravity and the attractor dynamics of dark energy/dark matter  
**Author(s):** Cervantes-Cota, JL (Cervantes-Cota, Jorge L.); de Putter, R (de Putter, Roland); Linder, EV (Linder, Eric V.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 12 **Article Number:** 019 **DOI:** 10.1088/1475-7516/2010/12/019 **Published:** DEC 2010  
**Language:** English  
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**Title:** Null fluid collapse in brane world models  
**Author(s):** Harko, T (Harko, Tiberiu); Lake, MJ (Lake, Matthew J.)  
**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 6 **Article**  
**Number:** 064038 **DOI:** 10.1103/PhysRevD.89.064038 **Published:** MAR 18 2014  
**Language:** English  
**Document Type:** Article

**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Thick brane solutions

**Author(s):** Dzhunushaliev, V (Dzhunushaliev, Vladimir); Folomeev, V (Folomeev, Vladimir); Minamitsuji, M (Minamitsuji, Masato)

**Source:** REPORTS ON PROGRESS IN PHYSICS **Volume:** 73 **Issue:** 6 **Article Number:** 066901 **DOI:** 10.1088/0034-4885/73/6/066901 **Published:** JUN 2010

**Language:** English

**Document Type:** Review

**ISSN:** 0034-4885

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**Title:** The stability analysis of brane-induced gravity with quintessence field on the brane with a Gaussian potential

**Author(s):** Ravanpak, A (Ravanpak, A.); Fadakar, GF (Fadakar, G. F.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 30 **Issue:** 1 **Article**

**Number:** 2150006 **DOI:** 10.1142/S0218271821500061 **Published:** JAN 1 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Stability analysis of DGP brane-world model with agegraphic dark energy

**Author(s):** Ravanpak, A (Ravanpak, A.); Fadakar, GF (Fadakar, G. F.)

**Source:** CANADIAN JOURNAL OF PHYSICS **Volume:** 98 **Issue:** 8 **Pages:** 778-783 **DOI:** 10.1139/cjp-2019-0305 **Published:** AUG 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0008-4204

**eISSN:** 1208-6045

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**Title:** Dynamical system analysis of Randall-Sundrum model with tachyon field on the brane

**Author(s):** Ravanpak, A (Ravanpak, A.); Fadakar, GF (Fadakar, G. F.)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 10 **Article**

**Number:** 103525 **DOI:** 10.1103/PhysRevD.101.103525 **Published:** MAY 20 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Dynamical system analysis of brane induced gravity with tachyon field  
**Author(s):** Ravanpak, A (Ravanpak, A.); Fadakar, GF (Fadakar, G. F.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 36 **Issue:** 23 **Article Number:** 235003 **DOI:** 10.1088/1361-6382/ab4eec **Published:** DEC 5 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Interacting agegraphic dark energy model in DGP brane-world cosmology: Dynamical system approach  
**Author(s):** Ravanpak, A (Ravanpak, A.); Fadakar, GF (Fadakar, G. F.)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 34 **Issue:** 14 **Article Number:** 1950105 **DOI:** 10.1142/S0217732319501050 **Published:** MAY 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Dynamical system approach of non-minimal coupling in holographic cosmology  
**Author(s):** Bargach, A (Bargach, Aatifa); Bargach, F (Bargach, Farida); Ouali, T (Ouali, Taoufik)  
**Source:** NUCLEAR PHYSICS B **Volume:** 940 **Pages:** 10-33 **DOI:** 10.1016/j.nuclphysb.2019.01.007 **Published:** MAR 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0550-3213  
**eISSN:** 1873-1562

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**Title:** Dynamical systems applied to cosmology: Dark energy and modified gravity  
**Author(s):** Bahamonde, S (Bahamonde, Sebastian); Bohmer, CG (Bohmer, Christian G.); Carloni, S (Carloni, Sante); Copeland, EJ (Copeland, Edmund J.); Fang, W (Fang, Wei); Tamanini, N (Tamanini, Nicola)  
**Source:** PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS **Volume:** 775 **Pages:** 1-122 **DOI:** 10.1016/j.physrep.2018.09.001 **Published:** NOV 24 2018  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0370-1573  
**eISSN:** 1873-6270

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**Title:** Cosmological dynamics of brane gravity: A global dynamical system perspective

**Author(s):** Zonunmawia, H (Zonunmawia, Hmar); Khylllep, W (Khylllep, Wompherdeiki); Dutta, J (Dutta, Jibitesh); Jarv, L (Jarv, Laur)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article Number:** 083532 **DOI:** 10.1103/PhysRevD.98.083532 **Published:** OCT 22 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Probing the Lambda-DGP Braneworld model

**Author(s):** Ravanpak, A (Ravanpak, Arvin); Farajollahi, H (Farajollahi, Hossein); Fadakar, G (Fadakar, Golnaz)

**Source:** RESEARCH IN ASTRONOMY AND ASTROPHYSICS **Volume:** 16 **Issue:** 9 **Article Number:** 137 **DOI:** 10.1088/1674-4527/16/9/137 **Published:** SEP 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1674-4527

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**Title:** Late-time accelerated scaling attractors in DGP (Dvali-Gabadadze-Porrati) braneworld

**Author(s):** Dutta, J (Dutta, Jibitesh); Khylllep, W (Khylllep, Wompherdeiki); Syiemlieh, E (Syiemlieh, Erickson)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 131 **Issue:** 2 **Article Number:** 33 **DOI:** 10.1140/epjp/i2016-16033-7 **Published:** FEB 12 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** New accelerated solutions in a DGP-inspired model

**Author(s):** Nozari, K (Nozari, K.); Asadi, K (Asadi, K.); Rajabi, F (Rajabi, F.)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 342 **Issue:** 2 **Pages:** 531-535 **DOI:** 10.1007/s10509-012-1179-2 **Published:** DEC 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0004-640X

**eISSN:** 1572-946X

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**Title:** Stability analysis of the cosmological solutions with induced gravity and scalar field on the brane

**Author(s):** Nozari, K (Nozari, Kourosh); Rajabi, F (Rajabi, F.); Asadi, K (Asadi, K.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 29 **Issue:** 17 **Article Number:** 175002 **DOI:** 10.1088/0264-9381/29/17/175002 **Published:** SEP 7 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** CROSSING THE PHANTOM DIVIDE  
**Author(s):** Zhang, HS (Zhang, Hongsheng)  
**Edited by:** Lefebvre K; Garcia R  
**Source:** DARK ENERGY: THEORIES, DEVELOPMENTS AND IMPLICATIONS **Book Series:** Space Science Exploration and Policy **Pages:** 49-88 **Published:** 2010  
**Language:** English  
**Document Type:** Article; Book Chapter  
**ISBN:** 978-1-61668-271-2

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55 citas

**Title:** Multi-fluid cosmology in Einstein gravity: analytical solutions  
**Author(s):** Faraoni, V (Faraoni, Valerio); Jose, S (Jose, Sonia); Dussault, S (Dussault, Steve)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 53 **Issue:** 12 **Article Number:** 109 **DOI:** 10.1007/s10714-021-02879-z **Published:** DEC 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Ultra-light dark matter  
**Author(s):** Ferreira, EGM (Ferreira, Elisa G. M.)  
**Source:** ASTRONOMY AND ASTROPHYSICS REVIEW **Volume:** 29 **Issue:** 1 **Article Number:** 7 **DOI:** 10.1007/s00159-021-00135-6 **Published:** DEC 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0935-4956  
**eISSN:** 1432-0754

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**Title:** Dark matter from symmetron field  
**Author(s):** Zaregonbadi, R (Zaregonbadi, Raziye); Honardoost, M (Honardoost, Matin)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 136 **Issue:** 11 **Article Number:** 1188 **DOI:** 10.1140/epjp/s13360-021-02199-w **Published:** NOV 28 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Cosmological constraints on scalar field dark matter  
**Author(s):** Escobal, AA (Escobal, A. A.); Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 30 **Issue:** 15 **Article**  
**Number:** 2150108 **DOI:** 10.1142/S021827182150108X **Published:** NOV 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Screening the Higgs portal  
**Author(s):** Brax, P (Brax, Philippe); Burrage, C (Burrage, Clare)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 1 **Article**  
**Number:** 015011 **DOI:** 10.1103/PhysRevD.104.015011 **Published:** JUL 6 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article**  
**Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Modeling dark matter halos with nonlinear field theories  
**Author(s):** Correa, RAC (Correa, R. A. C.); Moraes, PHRS (Moraes, P. H. R. S.); Dutra, AD (Dutra, A. de Souza); Dors, OL (Dors, O. L.); de Paulai, W (de Paulai, W.); Frederico, T (Frederico, T.)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article**  
**Number:** 103519 **DOI:** 10.1103/PhysRevD.103.103519 **Published:** MAY 14 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**  
**Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Fermion-boson stars with a quartic self-interaction in the boson sector  
**Author(s):** Valdez-Alvarado, S (Valdez-Alvarado, Susana); Becerril, R (Becerril, Ricardo); Urena-Lopez, LA (Arturo Urena-Lopez, L.)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 6 **Article Number:** 064038 **DOI:** 10.1103/PhysRevD.102.064038 **Published:** SEP 14 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Gravitational atoms: General framework for the construction of multistate axially symmetric solutions of the Schrodinger-Poisson system  
**Author(s):** Guzman, FS (Guzman, F. S.); Urena-Lopez, LA (Arturo Urena-Lopez, L.)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 8 **Article Number:** 081302 **DOI:** 10.1103/PhysRevD.101.081302 **Published:** APR 15 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Cosmological simulations of galaxy formation  
**Author(s):** Vogelsberger, M (Vogelsberger, Mark); Marinacci, F (Marinacci, Federico); Torrey, P (Torrey, Paul); Puchwein, E (Puchwein, Ewald)  
**Source:** NATURE REVIEWS PHYSICS **Volume:** 2 **Issue:** 1 **Pages:** 42-66 **DOI:** 10.1038/s42254-019-0127-2 **Published:** JAN 2020  
**Language:** English  
**Document Type:** Review  
**eISSN:** 2522-5820

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**Title:** Spatially Resolved Stellar Kinematics of the Ultra-diffuse Galaxy Dragonfly 44. II. Constraints on Fuzzy Dark Matter  
**Author(s):** Wasserman, A (Wasserman, Asher); van Dokkum, P (van Dokkum, Pieter); Romanowsky, AJ (Romanowsky, Aaron J.); Brodie, J (Brodie, Jean); Danieli, S (Danieli, Shany); Forbes, DA (Forbes, Duncan A.); Abraham, R (Abraham, Roberto); Martin, C (Martin, Christopher); Matuszewski, M (Matuszewski, Matt); Villaume, A (Villaume, Alexa); Tamasas, J (Tamasas, John); Profumo, S (Profumo, Stefano)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 885 **Issue:** 2 **Article Number:** 155 **DOI:** 10.3847/1538-4357/ab3eb9 **Published:** NOV 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Dark matter from backreaction? Collapse models on galaxy cluster scales  
**Author(s):** Vigneron, Q (Vigneron, Quentin); Buchert, T (Buchert, Thomas)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 36 **Issue:** 17 **Article Number:** 175006 **DOI:** 10.1088/1361-6382/ab32d1 **Published:** SEP 5 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Oscillation modes of ultralight BEC dark matter cores  
**Author(s):** Guzman, FS (Guzman, F. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 8 **Article Number:** 083513 **DOI:** 10.1103/PhysRevD.99.083513 **Published:** APR 11 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Relaxation of structures resulting from head-on mergers of ultralight bosonic dark matter cores  
**Author(s):** Avilez, AA (Avilez, Ana A.); Guzman, FS (Guzman, F. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 4 **Article Number:** 043542 **DOI:** 10.1103/PhysRevD.99.043542 **Published:** FEB 28 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Scalar field dark matter: helping or hurting small-scale problems in cosmology?  
**Author(s):** Robles, VH (Robles, Victor H.); Bullock, JS (Bullock, James S.); Boylan-Kolchin, M (Boylan-Kolchin, Michael)



**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 483 **Issue:** 1 **Pages:** 289-298 **DOI:** 10.1093/mnras/sty3190 **Published:** FEB 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Asymmetric dark matter with a possible Bose-Einstein condensate

**Author(s):** HajiSadeghi, S (HajiSadeghi, Shakiba); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 2 **Article**

**Number:** 023514 **DOI:** 10.1103/PhysRevD.99.023514 **Published:** JAN 9 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**

**Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Geodesics around oscillatons made of exponential scalar field potential

**Author(s):** Mahmoodzadeh, A (Mahmoodzadeh, A.); Malekolkalami, B (Malekolkalami, B.)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 363 **Issue:** 8 **Article**

**Number:** 173 **DOI:** 10.1007/s10509-018-3389-8 **Published:** AUG 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0004-640X

**eISSN:** 1572-946X

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**Title:** Phase transitions between dilute and dense axion stars

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Supplying dark energy from scalar field dark matter  
**Author(s):** Gogberashvili, M (Gogberashvili, Merab); Sakharov, A (Sakharov, Alexander)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 9 **Article Number:** 1850100 **DOI:** 10.1142/S0218271818501006 **Published:** JUL 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Oscillatons described by self-interacting quartic scalar fields  
**Author(s):** Mahmoodzadeh, A (Mahmoodzadeh, A.); Malekolkalami, B (Malekolkalami, B.)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 19 **Pages:** 21-26 **DOI:** 10.1016/j.dark.2017.11.001 **Published:** MAR 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2212-6864

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties  
**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 3 **Article Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** THE DARK SIDE OF A BOSE GAS  
**Author(s):** Sadegi, SH (Sadegi, S. Hajj); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)  
**Source:** ACTA PHYSICA POLONICA B **Volume:** 48 **Issue:** 12 **Pages:** 2389-2396 **DOI:** 10.5506/APhysPolB.48.2389 **Published:** DEC 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0587-4254  
**eISSN:** 1509-5770

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**Title:** Galaxy formation with BECDM - I. Turbulence and relaxation of idealized haloes

**Author(s):** Mocz, P (Mocz, Philip); Vogelsberger, M (Vogelsberger, Mark); Robles, VH (Robles, Victor H.); Zavala, J (Zavala, Jesus); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Fialkov, A (Fialkov, Anastasia); Hernquist, L (Hernquist, Lars)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 471 **Issue:** 4 **Pages:** 4559-4570 **DOI:** 10.1093/mnras/stx1887 **Published:** NOV 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Gravitational waves as a new probe of Bose-Einstein condensate Dark Matter

**Author(s):** Dev, PSB (Dev, P. S. Bhupal); Lindner, M (Lindner, Manfred); Ohmer, S (Ohmer, Sebastian)

**Source:** PHYSICS LETTERS B **Volume:** 773 **Pages:** 219-224 **DOI:** 10.1016/j.physletb.2017.08.043 **Published:** OCT 10 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Collapse threshold for a cosmological Klein-Gordon field

**Author(s):** Hidalgo, JC (Carlos Hidalgo, Juan); De Santiago, J (De Santiago, Josue); German, G (German, Gabriel); Barbosa-Cendejas, N (Barbosa-Cendejas, Nandinii); Ruiz-Luna, W (Ruiz-Luna, Waldemar)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article Number:** 063504 **DOI:** 10.1103/PhysRevD.96.063504 **Published:** SEP 6 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Sourcing dark matter and dark energy from alpha-attractors

**Author(s):** Mishra, SS (Mishra, Swagat S.); Sahni, V (Sahni, Varun); Shtanov, Y (Shtanov, Yuri)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2017/06/045 **Published:** JUN 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Cosmological evolution of a complex scalar field with repulsive or attractive self-interaction

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 6 **Article**

**Number:** 063515 **DOI:** 10.1103/PhysRevD.95.063515 **Published:** MAR 15 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** A(t) cosmology induced by a slowly varying Elko field

**Author(s):** Pereira, SH (Pereira, S. H.); Pinho, SSA (Pinho, A. S. S.); da Silva, JMH (Hoff da Silva, J. M.); Jesus, JF (Jesus, J. F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

**PHYSICS Issue:** 1 **Article Number:** 055 **DOI:** 10.1088/1475-7516/2017/01/055 **Published:** JAN 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Can dark matter be a scalar field?

**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Malatrasi, JLG (Malatrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

**PHYSICS Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Towards accurate cosmological predictions for rapidly oscillating scalar fields as dark matter

**Author(s):** Urena-Lopez, LA (Urena-Lopez, L. Arturo); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 048 **DOI:** 10.1088/1475-7516/2016/07/048 **Published:** JUL 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Boson stars from self-interacting dark matter

**Author(s):** Eby, J (Eby, Joshua); Kouvaris, C (Kouvaris, Chris); Nielsen, NG (Nielsen, Niklas Gronlund); Wijewardhana, LCR (Wijewardhana, L. C. R.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article Number:** 028 **DOI:** 10.1007/JHEP02(2016)028 **Published:** FEB 3 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Direct detection constraints on dark photon dark matter

**Author(s):** An, HP (An, Haipeng); Pospelov, M (Pospelov, Maxim); Pradler, J (Pradler, Josef); Ritz, A (Ritz, Adam)

**Source:** PHYSICS LETTERS B **Volume:** 747 **Pages:** 331-338 **DOI:** 10.1016/j.physletb.2015.06.018 **Published:** JUL 30 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** A UNIVERSAL SFDM HALO MASS FOR THE ANDROMEDA AND MILKY WAY'S DSPHS?

**Author(s):** Lora, V (Lora, V.)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 807 **Issue:** 2 **Article Number:** 116 **DOI:** 10.1088/0004-637X/807/2/116 **Published:** JUL 10 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article**  
**Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** A search for ultralight axions using precision cosmological data  
**Author(s):** Hlozek, R (Hlozek, Renee); Grin, D (Grin, Daniel); Marsh, DJE (Marsh, David J. E.); Ferreira, PG (Ferreira, Pedro G.)  
**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 10 **Article**  
**Number:** 103512 **DOI:** 10.1103/PhysRevD.91.103512 **Published:** MAY 15 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)  
**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article**  
**Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** A new approach on the stability analysis in ELKO cosmology  
**Author(s):** Souza, APD (dos Santos Souza, A. P.); Pereira, SH (Pereira, S. H.); Jesus, JF (Jesus, J. F.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 1 **Article**  
**Number:** 36 **DOI:** 10.1140/epjc/s10052-015-3260-9 **Published:** JAN 29 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Alternative to particle dark matter  
**Author(s):** Khoury, J (Khoury, Justin)  
**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 2 **Article**  
**Number:** 024022 **DOI:** 10.1103/PhysRevD.91.024022 **Published:** JAN 14 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** A survey of spherically symmetric spacetimes

**Author(s):** Parry, AR (Parry, Alan R.)

**Source:** ANALYSIS AND MATHEMATICAL PHYSICS **Volume:** 4 **Issue:** 4 **Pages:** 333-375 **DOI:** 10.1007/s13324-014-0085-x **Published:** DEC 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1664-2368

**eISSN:** 1664-235X

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**Title:** Novel ansatz to obtain inflation in brane-worlds: the dynamical perspective

**Author(s):** Perez, JL (Perez, Juan L.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.); Urena-Lopez, LA (Urena-Lopez, Luis A.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 10 **Article Number:** 1804 **DOI:** 10.1007/s10714-014-1804-1 **Published:** OCT 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Some remarks on the attractor behaviour in ELKO cosmology

**Author(s):** Pereira, SH (Pereira, S. H.); Pinho, SSA (Pinho, A. S. S.); da Silva, JMH (Hoff da Silva, J. M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2014/08/020 **Published:** AUG 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** A model for halo formation with axion mixed dark matter

**Author(s):** Marsh, DJE (Marsh, David J. E.); Silk, J (Silk, Joseph)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 437 **Issue:** 3 **Pages:** 2652-2663 **DOI:** 10.1093/mnras/stt2079 **Published:** JAN 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Mass-radius relation of Newtonian self-gravitating Bose-Einstein condensates with short-range interactions. I. Analytical results

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 84 **Issue:** 4 **Article Number:** 043531 **DOI:** 10.1103/PhysRevD.84.043531 **Published:** AUG 29 2011

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Bosonic gas as a galactic dark matter halo  
**Author(s):** Urena-Lopez, LA (Arturo Urena-Lopez, L.); Bernal, A (Bernal, Argelia)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 12 **Article Number:** 123535 **DOI:** 10.1103/PhysRevD.82.123535 **Published:** DEC 30 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter  
**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Sub-eV scalar dark matter through the super-renormalizable Higgs portal  
**Author(s):** Piazza, F (Piazza, Federico); Pospelov, M (Pospelov, Maxim)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article Number:** 043533 **DOI:** 10.1103/PhysRevD.82.043533 **Published:** AUG 31 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Multistate boson stars  
**Author(s):** Bernal, A (Bernal, A.); Barranco, J (Barranco, J.); Alic, D (Alic, D.); Palenzuela, C (Palenzuela, C.)  
**Source:** PHYSICAL REVIEW D **Volume:** 81 **Issue:** 4 **Article Number:** 044031 **DOI:** 10.1103/PhysRevD.81.044031 **Published:** FEB 15 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
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2.1.a.87. Tamé González, **Tonatiuh Matos**, Israel Quiros and Alberto Vázquez. Self-Interacting Scalar Field trapped in a Randall-Sundrum Brane World: the Dynamical Systems Perspective. Phys. Lett. B676, (2009), 161-167. Available at: arXiv:0812.1734.

11 citas

**Title:** Dynamical system analysis of Randall-Sundrum model with tachyon field on the brane

**Author(s):** Ravanpak, A (Ravanpak, A.); Fadakar, GF (Fadakar, G. F.)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 10 **Article**

**Number:** 103525 **DOI:** 10.1103/PhysRevD.101.103525 **Published:** MAY 20 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Interacting dark energy model in the brane scenario: A dynamical system analysis

**Author(s):** Biswas, SK (Biswas, Sujay Kr); Chakraborty, S (Chakraborty, Subenoy)

**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 16 **Issue:** 8 **Article**

**Number:** 1950115 **DOI:** 10.1142/S0219887819501159 **Published:** AUG 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0219-8878

**eISSN:** 1793-6977

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**Title:** Cosmic acceleration in the Randall-Sundrum II brane world

**Author(s):** Choudhury, BS (Choudhury, Binayak S.); Mondal, HS (Mondal, Himadri Shekhar); Chatterjee, D (Chatterjee, Devosmita)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 5 **Article**

**Number:** 243 **DOI:** 10.1140/epjp/i2019-12578-1 **Published:** MAY 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Dynamical system approach of non-minimal coupling in holographic cosmology

**Author(s):** Bargach, A (Bargach, Aatifa); Bargach, F (Bargach, Farida); Ouali, T (Ouali, Taoufik)

**Source:** NUCLEAR PHYSICS B **Volume:** 940 **Pages:** 10-

33 **DOI:** 10.1016/j.nuclphysb.2019.01.007 **Published:** MAR 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0550-3213

**eISSN:** 1873-1562

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**Title:** Dynamical systems applied to cosmology: Dark energy and modified gravity

**Author(s):** Bahamonde, S (Bahamonde, Sebastian); Bohmer, CG (Bohmer, Christian G.); Carloni, S (Carloni, Sante); Copeland, EJ (Copeland, Edmund J.); Fang, W (Fang, Wei); Tamanini, N (Tamanini, Nicola)

**Source:** PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS **Volume:** 775 **Pages:** 1-122 **DOI:** 10.1016/j.physrep.2018.09.001 **Published:** NOV 24 2018

**Language:** English

**Document Type:** Review

**ISSN:** 0370-1573

**eISSN:** 1873-6270

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**Title:** Cosmological dynamics of brane gravity: A global dynamical system perspective

**Author(s):** Zonunmawia, H (Zonunmawia, Hmar); Khyllap, W (Khyllap, Wompherdeiki); Dutta, J (Dutta, Jibitesh); Jarv, L (Jarv, Laur)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article Number:** 083532 **DOI:** 10.1103/PhysRevD.98.083532 **Published:** OCT 22 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Gravitational collapse in brane-worlds revisited

**Author(s):** Garcia-Aspeitia, MA (Garcia-Aspeitia, M. A.); Ortiz, C (Ortiz, C.); Lopez-Dominguez, JC (Lopez-Dominguez, J. C.); Hinojosa-Ruiz, S (Hinojosa-Ruiz, S.); Reyes-Ibarra, MJ (Reyes-Ibarra, M. J.)

**Source:** REVISTA MEXICANA DE FISICA **Volume:** 62 **Issue:** 3 **Pages:** 199-205 **Published:** MAY-JUN 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0035-001X

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**Title:** Complete cosmic scenario in the Randall-Sundrum braneworld from the dynamical systems perspective

**Author(s):** Dutta, J (Dutta, Jibitesh); Zonunmawia, H (Zonunmawia, H.)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 11 **Article Number:** 221 **DOI:** 10.1140/epjp/i2015-15221-3 **Published:** NOV 2 2015

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Dynamical systems analysis of an interacting dark energy model in the brane scenario

**Author(s):** Biswas, SK (Biswas, Sujay Kr.); Chakraborty, S (Chakraborty, Subenoy)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 3 **Article Number:** 22 **DOI:** 10.1007/s10714-015-1866-8 **Published:** MAR 2015

**Language:** English

**Document Type:** Article

ISSN: 0001-7701  
eISSN: 1572-9532

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**Title:** Phase space analysis of quintessence fields trapped in a Randall-Sundrum braneworld: a refined study  
**Author(s):** Escobar, D (Escobar, Dagoberto); Fadragas, CR (Fadragas, Carlos R.); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 29 **Issue:** 17 **Article Number:** 175005 **DOI:** 10.1088/0264-9381/29/17/175005 **Published:** SEP 7 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Phase space analysis of quintessence fields trapped in a Randall-Sundrum braneworld: anisotropic Bianchi I brane with a positive dark radiation term  
**Author(s):** Escobar, D (Escobar, Dagoberto); Fadragas, CR (Fadragas, Carlos R.); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 29 **Issue:** 17 **Article Number:** 175006 **DOI:** 10.1088/0264-9381/29/17/175006 **Published:** SEP 7 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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8 citas

**Title:** Towards nonlinear axion-dilaton electrodynamics: How can axionic dark matter mimic dilaton-photon interactions?  
**Author(s):** Balakin, AB (Balakin, Alexander B.); Galimova, AA (Galimova, Aliya A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 4 **Article Number:** 044059 **DOI:** 10.1103/PhysRevD.104.044059 **Published:** AUG 24 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Minimal surfaces and generalized Einstein-Maxwell-dilaton theory  
**Author(s):** Butler, M (Butler, M.); Ghezelbash, AM (Ghezelbash, A. M.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS A **Volume:** 34 **Issue:** 12 **Article Number:** 1950061 **DOI:** 10.1142/S0217751X19500611 **Published:** APR 30 2019  
**Language:** English  
**Document Type:** Article

ISSN: 0217-751X  
eISSN: 1793-656X

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**Title:** Einstein-Maxwell-axion theory: dyon solution with regular electric field  
**Author(s):** Balakin, AB (Balakin, Alexander B.); Zayats, AE (Zayats, Alexei E.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 77 **Issue:** 8 **Article Number:** 519 **DOI:** 10.1140/epjc/s10052-017-5073-5 **Published:** AUG 4 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** New class of exact solutions in Einstein-Maxwell-dilaton theory  
**Author(s):** Ghezelbash, AM (Ghezelbash, A. M.)  
**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 6 **Article Number:** 064030 **DOI:** 10.1103/PhysRevD.95.064030 **Published:** MAR 21 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Analytic solutions of the geodesic equation for Einstein-Maxwell-dilaton-axion black holes  
**Author(s):** Flathmann, K (Flathmann, Kai); Grunau, S (Grunau, Saskia)  
**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 10 **Article Number:** 104027 **DOI:** 10.1103/PhysRevD.92.104027 **Published:** NOV 9 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Gradient models of the axion-photon coupling  
**Author(s):** Balakin, AB (Balakin, A. B.); Bochkarev, VV (Bochkarev, V. V.); Tarasova, NO (Tarasova, N. O.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 72 **Issue:** 2 **Article Number:** 1895 **DOI:** 10.1140/epjc/s10052-012-1895-3 **Published:** FEB 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Uniqueness theorem for stationary axisymmetric black holes in Einstein-Maxwell-axion-dilaton gravity  
**Author(s):** Rogatko, M (Rogatko, Marek)  
**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 4 **Article Number:** 044017 **DOI:** 10.1103/PhysRevD.82.044017 **Published:** AUG 10 2010  
**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Einstein-Maxwell-dilaton theories with a Liouville potential

**Author(s):** Charmousis, C (Charmousis, Christos); Gouteraux, B (Gouteraux, Blaise); Soda, J (Soda, Jiro)

**Source:** PHYSICAL REVIEW D **Volume:** 80 **Issue:** 2 **Article**

**Number:** 024028 **DOI:** 10.1103/PhysRevD.80.024028 **Published:** JUL 2009

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

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22 citas

**Title:** Generalized scalar field cosmologies: a global dynamical systems formulation

**Author(s):** Leon, G (Leon, Genly); Silva, FOF (Silva, Felipe Orlando Franz)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 1 **Article**

**Number:** 015004 **DOI:** 10.1088/1361-6382/abc095 **Published:** JAN 8 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Quark-hadron phase transition in DGP including BD brane\*

**Author(s):** Golanbari, T (Golanbari, Tayeb); Haddad, T (Haddad, Terife); Mohammadi, A (Mohammadi, Abolhassan); Rasheed, MA (Rasheed, M. A.); Saaidi, K (Saaidi, Kh)

**Source:** CHINESE PHYSICS C **Volume:** 44 **Issue:** 8 **Article**

**Number:** 083109 **DOI:** 10.1088/1674-1137/44/8/083109 **Published:** AUG 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1674-1137

**eISSN:** 2058-6132

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**Title:** Stability of a modified Jordan-Brans-Dicke theory in the dilatonic frame

**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos); Abab, LV (Velazquez Abab, Luisberis)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 52 **Issue:** 7 **Article**

**Number:** 71 **DOI:** 10.1007/s10714-020-02718-7 **Published:** JUL 14 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Extended phase-space analysis of the Horava-Lifshitz cosmology  
**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **Article Number:** 746 **DOI:** 10.1140/epjc/s10052-019-7236-z **Published:** SEP 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Interacting dark energy model in the brane scenario: A dynamical system analysis  
**Author(s):** Biswas, SK (Biswas, Sujay Kr); Chakraborty, S (Chakraborty, Subenoy)  
**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 16 **Issue:** 8 **Article Number:** 1950115 **DOI:** 10.1142/S0219887819501159 **Published:** AUG 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0219-8878  
**eISSN:** 1793-6977

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**Title:** Cosmic acceleration in the Randall-Sundrum II brane world  
**Author(s):** Choudhury, BS (Choudhury, Binayak S.); Mondal, HS (Mondal, Himadri Shekhar); Chatterjee, D (Chatterjee, Devosmita)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 5 **Article Number:** 243 **DOI:** 10.1140/epjp/i2019-12578-1 **Published:** MAY 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Cosmological dynamics of the general non-canonical scalar field models  
**Author(s):** Dutta, J (Dutta, Jibitesh); Khyllep, W (Khyllep, Wompherdeiki); Zonunmawia, H (Zonunmawia, Hmar)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 4 **Article Number:** 359 **DOI:** 10.1140/epjc/s10052-019-6885-2 **Published:** APR 24 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Dynamical systems applied to cosmology: Dark energy and modified gravity  
**Author(s):** Bahamonde, S (Bahamonde, Sebastian); Bohmer, CG (Bohmer, Christian G.); Carloni, S (Carloni, Sante); Copeland, EJ (Copeland, Edmund J.); Fang, W (Fang, Wei); Tamanini, N (Tamanini, Nicola)

**Source:** PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS **Volume:** 775 **Pages:** 1-122 **DOI:** 10.1016/j.physrep.2018.09.001 **Published:** NOV 24 2018

**Language:** English

**Document Type:** Review

**ISSN:** 0370-1573

**eISSN:** 1873-6270

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**Title:** Cosmological dynamics of brane gravity: A global dynamical system perspective

**Author(s):** Zonunmawia, H (Zonunmawia, Hmar); Khylllep, W (Khylllep, Wompherdeiki); Dutta, J (Dutta, Jibitesh); Jarv, L (Jarv, Laur)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**

**Number:** 083532 **DOI:** 10.1103/PhysRevD.98.083532 **Published:** OCT 22 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Cartan symmetries and global dynamical systems analysis in a higher-order modified teleparallel theory

**Author(s):** Karpathopoulos, L (Karpathopoulos, L.); Basilakos, S (Basilakos, S.); Leon, G (Leon, G.); Paliathanasis, A (Paliathanasis, A.); Tsamparlis, M (Tsamparlis, M.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 50 **Issue:** 7 **Article**

**Number:** 79 **DOI:** 10.1007/s10714-018-2400-6 **Published:** JUL 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Dark energy with a gradient coupling to the dark matter fluid: cosmological dynamics and structure formation

**Author(s):** Dutta, J (Dutta, Jibitesh); Khylllep, W (Khylllep, Wompherdeiki); Tamanini, N (Tamanini, Nicola)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

**PHYSICS Issue:** 1 **Article Number:** 038 **DOI:** 10.1088/1475-7516/2018/01/038 **Published:** JAN 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Scalar-fluid interacting dark energy: Cosmological dynamics beyond the exponential potential

**Author(s):** Dutta, J (Dutta, Jibitesh); Khylllep, W (Khylllep, Wompherdeiki); Tamanini, N (Tamanini, Nicola)

**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 2 **Article**

**Number:** 023515 **DOI:** 10.1103/PhysRevD.95.023515 **Published:** JAN 23 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Dynamical system of scalar field from 2-dimension to 3-D and its cosmological implications  
**Author(s):** Fang, W (Fang, Wei); Tu, H (Tu, Hong); Huang, JS (Huang, Jiasheng); Shu, CG (Shu, Chenggang)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 76 **Issue:** 9 **Article Number:** 492 **DOI:** 10.1140/epjc/s10052-016-4340-1 **Published:** SEP 8 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Cosmological dynamics of scalar fields with kinetic corrections: Beyond the exponential potential  
**Author(s):** Dutta, J (Dutta, Jibitesh); Khyllep, W (Khyllep, Wompherdeiki); Tamanini, N (Tamanini, Nicola)  
**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 6 **Article Number:** 063004 **DOI:** 10.1103/PhysRevD.93.063004 **Published:** MAR 14 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Late-time accelerated scaling attractors in DGP (Dvali-Gabadadze-Porrati) braneworld  
**Author(s):** Dutta, J (Dutta, Jibitesh); Khyllep, W (Khyllep, Wompherdeiki); Syiemlieh, E (Syiemlieh, Erickson)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 131 **Issue:** 2 **Article Number:** 33 **DOI:** 10.1140/epjp/i2016-16033-7 **Published:** FEB 12 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Complete cosmic scenario in the Randall-Sundrum braneworld from the dynamical systems perspective  
**Author(s):** Dutta, J (Dutta, Jibitesh); Zonunmawia, H (Zonunmawia, H.)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 11 **Article Number:** 221 **DOI:** 10.1140/epjp/i2015-15221-3 **Published:** NOV 2 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Dynamical systems analysis of an interacting dark energy model in the brane scenario  
**Author(s):** Biswas, SK (Biswas, Sujay Kr.); Chakraborty, S (Chakraborty, Subenoy)



**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 3 **Article Number:** 22 **DOI:** 10.1007/s10714-015-1866-8 **Published:** MAR 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Some remarks about non-minimally coupled scalar field models

**Author(s):** Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 19 **Article Number:** 195011 **DOI:** 10.1088/0264-9381/31/19/195011 **Published:** OCT 7 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Full investigation on the dynamics of power-law kinetic quintessence

**Author(s):** Fang, W (Fang, Wei); Tu, H (Tu, Hong); Li, Y (Li, Ying); Huang, JS (Huang, Jiasheng); Shu, CG (Shu, Chenggang)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 12 **Article Number:** 123514 **DOI:** 10.1103/PhysRevD.89.123514 **Published:** JUN 18 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Dynamical analysis of anisotropic scalar-field cosmologies for a wide range of potentials

**Author(s):** Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly); Saridakis, EN (Saridakis, Emmanuel N.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 7 **Article Number:** 075018 **DOI:** 10.1088/0264-9381/31/7/075018 **Published:** APR 7 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Thawing models in the presence of a generalized Chaplygin gas

**Author(s):** del Campo, S (del Campo, Sergio); Fadrugas, CR (Fadrugas, Carlos R.); Herrera, R (Herrera, Ramon); Leiva, C (Leiva, Carlos); Leon, G (Leon, Genly); Saavedra, J (Saavedra, Joel)

**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 2 **Article Number:** 023532 **DOI:** 10.1103/PhysRevD.88.023532 **Published:** JUL 26 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Stability analysis of the cosmological solutions with induced gravity and scalar field on the brane

**Author(s):** Nozari, K (Nozari, Kourosh); Rajabi, F (Rajabi, F.); Asadi, K (Asadi, K.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 29 **Issue:** 17 **Article Number:** 175002 **DOI:** 10.1088/0264-9381/29/17/175002 **Published:** SEP 7 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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28 citas

**Title:** Generalized scalar field cosmologies: a global dynamical systems formulation

**Author(s):** Leon, G (Leon, Genly); Silva, FOF (Silva, Felipe Orlando Franz)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 38 **Issue:** 1 **Article Number:** 015004 **DOI:** 10.1088/1361-6382/abc095 **Published:** JAN 8 2021

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**ISSN:** 0264-9381

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**Title:** Stability of a modified Jordan-Brans-Dicke theory in the dilatonic frame

**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos); Abab, LV (Velazquez Abab, Luisberis)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 52 **Issue:** 7 **Article Number:** 71 **DOI:** 10.1007/s10714-020-02718-7 **Published:** JUL 14 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Dark matter from backreaction? Collapse models on galaxy cluster scales

**Author(s):** Vigneron, Q (Vigneron, Quentin); Buchert, T (Buchert, Thomas)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 36 **Issue:** 17 **Article Number:** 175006 **DOI:** 10.1088/1361-6382/ab32d1 **Published:** SEP 5 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

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**Title:** Extended phase-space analysis of the Horava-Lifshitz cosmology

**Author(s):** Leon, G (Leon, Genly); Paliathanasis, A (Paliathanasis, Andronikos)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **Article Number:** 746 **DOI:** 10.1140/epjc/s10052-019-7236-z **Published:** SEP 2019

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**Document Type:** Article

**ISSN:** 1434-6044

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**Title:** Cosmological dynamics of the general non-canonical scalar field models

**Author(s):** Dutta, J (Dutta, Jibitesh); Khylllep, W (Khylllep, Wompherdeiki); Zonunmawia, H (Zonunmawia, Hmar)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 4 **Article Number:** 359 **DOI:** 10.1140/epjc/s10052-019-6885-2 **Published:** APR 24 2019

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**ISSN:** 1434-6044

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**Title:** Dynamical systems applied to cosmology: Dark energy and modified gravity

**Author(s):** Bahamonde, S (Bahamonde, Sebastian); Bohmer, CG (Bohmer, Christian G.); Carloni, S (Carloni, Sante); Copeland, EJ (Copeland, Edmund J.); Fang, W (Fang, Wei); Tamanini, N (Tamanini, Nicola)

**Source:** PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS **Volume:** 775 **Pages:** 1-122 **DOI:** 10.1016/j.physrep.2018.09.001 **Published:** NOV 24 2018

**Language:** English

**Document Type:** Review

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**Title:** Cartan symmetries and global dynamical systems analysis in a higher-order modified teleparallel theory

**Author(s):** Karpathopoulos, L (Karpathopoulos, L.); Basilakos, S (Basilakos, S.); Leon, G (Leon, G.); Paliathanasis, A (Paliathanasis, A.); Tsamparlis, M (Tsamparlis, M.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 50 **Issue:** 7 **Article Number:** 79 **DOI:** 10.1007/s10714-018-2400-6 **Published:** JUL 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** The method of generating functions in exact scalar field inflationary cosmology

**Author(s):** Chervon, SV (Chervon, Sergey V.); Fomin, IV (Fomin, Igor V.); Beesham, A (Beesham, Aronkumar)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 4 **Article Number:** 301 **DOI:** 10.1140/epjc/s10052-018-5795-z **Published:** APR 17 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Natural inflation from polymer quantization  
**Author(s):** Ali, M (Ali, Masooma); Seahra, SS (Seahra, Sanjeev S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 10 **Article Number:** 103524 **DOI:** 10.1103/PhysRevD.96.103524 **Published:** NOV 17 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Sourcing dark matter and dark energy from alpha-attractors  
**Author(s):** Mishra, SS (Mishra, Swagat S.); Sahni, V (Sahni, Varun); Shtanov, Y (Shtanov, Yuri)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2017/06/045 **Published:** JUN 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Dynamical system approach to scalar-vector-tensor cosmology  
**Author(s):** Ghaffarnejad, H (Ghaffarnejad, H.); Yaraie, E (Yaraie, E.)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 49 **Issue:** 4 **Article Number:** 49 **DOI:** 10.1007/s10714-017-2213-z **Published:** APR 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Perturbations of ultralight vector field dark matter  
**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article Number:** 064 **DOI:** 10.1007/JHEP02(2017)064 **Published:** FEB 13 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Scalar-fluid interacting dark energy: Cosmological dynamics beyond the exponential potential  
**Author(s):** Dutta, J (Dutta, Jibitesh); Khyllep, W (Khyllep, Wompherdeiki); Tamanini, N (Tamanini, Nicola)  
**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 2 **Article Number:** 023515 **DOI:** 10.1103/PhysRevD.95.023515 **Published:** JAN 23 2017  
**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Dynamical system of scalar field from 2-dimension to 3-D and its cosmological implications

**Author(s):** Fang, W (Fang, Wei); Tu, H (Tu, Hong); Huang, JS (Huang, Jiasheng); Shu, CG (Shu, Chenggang)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 76 **Issue:** 9 **Article Number:** 492 **DOI:** 10.1140/epjc/s10052-016-4340-1 **Published:** SEP 8 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Cosmological dynamics of scalar fields with kinetic corrections: Beyond the exponential potential

**Author(s):** Dutta, J (Dutta, Jibitesh); Khyllep, W (Khyllep, Wompherdeiki); Tamanini, N (Tamanini, Nicola)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 6 **Article Number:** 063004 **DOI:** 10.1103/PhysRevD.93.063004 **Published:** MAR 14 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Cosmological perturbations in coherent oscillating scalar field models

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article Number:** 013 **DOI:** 10.1007/JHEP03(2016)013 **Published:** MAR 3 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Some remarks about non-minimally coupled scalar field models

**Author(s):** Fadrugas, CR (Fadrugas, Carlos R.); Leon, G (Leon, Genly)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 19 **Article Number:** 195011 **DOI:** 10.1088/0264-9381/31/19/195011 **Published:** OCT 7 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Full investigation on the dynamics of power-law kinetic quintessence

**Author(s):** Fang, W (Fang, Wei); Tu, H (Tu, Hong); Li, Y (Li, Ying); Huang, JS (Huang, Jiasheng); Shu, CG (Shu, Chenggang)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 12 **Article Number:** 123514 **DOI:** 10.1103/PhysRevD.89.123514 **Published:** JUN 18 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Quintom phase-space: Beyond the exponential potential  
**Author(s):** Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy); Socorro, J (Socorro, J.)  
**Source:** PHYSICS LETTERS B **Volume:** 732 **Pages:** 285-297 **DOI:** 10.1016/j.physletb.2014.03.053 **Published:** MAY 1 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Dynamical analysis of anisotropic scalar-field cosmologies for a wide range of potentials  
**Author(s):** Fadragas, CR (Fadragas, Carlos R.); Leon, G (Leon, Genly); Saridakis, EN (Saridakis, Emmanuel N.)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 31 **Issue:** 7 **Article Number:** 075018 **DOI:** 10.1088/0264-9381/31/7/075018 **Published:** APR 7 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Asymptotic behavior of a scalar field with an arbitrary potential trapped on a Randall-Sundrum's braneworld: the effect of a negative dark radiation term on a Bianchi I brane  
**Author(s):** Escobar, D (Escobar, Dagoberto); Fadragas, CR (Fadragas, Carlos R.); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 349 **Issue:** 1 **Pages:** 575-602 **DOI:** 10.1007/s10509-013-1650-8 **Published:** JAN 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Stability of BEC galactic dark matter halos  
**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.); Gonzalez-Aviles, JJ (Gonzalez-Aviles, J. J.); Rivera-Paleo, FJ (Rivera-Paleo, F. J.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 034 **DOI:** 10.1088/1475-7516/2013/09/034 **Published:** SEP 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Thawing models in the presence of a generalized Chaplygin gas  
**Author(s):** del Campo, S (del Campo, Sergio); Fadrugas, CR (Fadrugas, Carlos R.); Herrera, R (Herrera, Ramon); Leiva, C (Leiva, Carlos); Leon, G (Leon, Genly); Saavedra, J (Saavedra, Joel)  
**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 2 **Article Number:** 023532 **DOI:** 10.1103/PhysRevD.88.023532 **Published:** JUL 26 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Axion as a cold dark matter candidate: Low-mass case  
**Author(s):** Park, CG (Park, Chan-Gyung); Hwang, JC (Hwang, Jai-chan); Noh, H (Noh, Hyerim)  
**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 8 **Article Number:** 083535 **DOI:** 10.1103/PhysRevD.86.083535 **Published:** OCT 22 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Toward physical cosmology: focus on inhomogeneous geometry and its non-perturbative effects  
**Author(s):** Buchert, T (Buchert, Thomas)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 28 **Issue:** 16 **Article Number:** 164007 **DOI:** 10.1088/0264-9381/28/16/164007 **Published:** AUG 21 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Constraining scalar fields with stellar kinematics and collisional dark matter  
**Author(s):** Amaro-Seoane, P (Amaro-Seoane, Pau); Barranco, J (Barranco, Juan); Bernal, A (Bernal, Argelia); Rezzolla, L (Rezzolla, Luciano)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2010/11/002 **Published:** NOV 2010  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Dynamics of tachyon and phantom field beyond the inverse square potentials  
**Author(s):** Fang, W (Fang, Wei); Lu, HQ (Lu, Hui-Qing)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 68 **Issue:** 3-4 **Pages:** 567-572 **DOI:** 10.1140/epjc/s10052-010-1352-0 **Published:** AUG 2010  
**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Multiscale cosmology and structure-emerging dark energy: A plausibility analysis

**Author(s):** Wiegand, A (Wiegand, Alexander); Buchert, T (Buchert, Thomas)

**Source:** PHYSICAL REVIEW D **Volume:** 82 **Issue:** 2 **Article**

**Number:** 023523 **DOI:** 10.1103/PhysRevD.82.023523 **Published:** JUL 26 2010

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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5 citas

**Title:** Stationary generalizations for the Bronnikov-Ellis wormhole and for the vacuum ring wormhole

**Author(s):** Volkov, MS (Volkov, Mikhail S.)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 12 **Article**

**Number:** 124064 **DOI:** 10.1103/PhysRevD.104.124064 **Published:** DEC 21 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Weyl metrics and wormholes

**Author(s):** Gibbons, GW (Gibbons, Gary W.); Volkov, MS (Volkov, Mikhail S.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

PHYSICS **Issue:** 5 **Article Number:** 039 **DOI:** 10.1088/1475-7516/2017/05/039 **Published:** MAY 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Cylindrically symmetric wormholes WhCR(e): The motion of test particles

**Author(s):** Aminova, AV (Aminova, Asya V.); Brill, DR (Brill, Dieter R.); Chumarov, PI (Chumarov, Pavel I.); Shemakhin, AY (Shemakhin, Aleksandr Yu.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 2 **Article**

**Number:** 024027 **DOI:** 10.1103/PhysRevD.94.024027 **Published:** JUL 18 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029



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**Title:** Dynamics of test particles in thin-shell wormhole spacetimes  
**Author(s):** Diemer, V (Diemer, Valeria); Smolarek, E (Smolarek, Elena)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 30 **Issue:** 17 **Article Number:** 175014 **DOI:** 10.1088/0264-9381/30/17/175014 **Published:** SEP 7 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Exact dynamical AdS black holes and wormholes with a Klein-Gordon field  
**Author(s):** Maeda, H (Maeda, Hideki)  
**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 4 **Article Number:** 044016 **DOI:** 10.1103/PhysRevD.86.044016 **Published:** AUG 8 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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4 citas

**Title:** Multistate scalar field dark matter and its correlation with galactic properties  
**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 3 **Article Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Strong lensing by fermionic dark matter in galaxies  
**Author(s):** Gomez, LG (Gomez, L. Gabriel); Arguelles, CR (Arguelles, C. R.); Perlick, V (Perlick, Volker); Rueda, JA (Rueda, J. A.); Ruffini, R (Ruffini, R.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 12 **Article Number:** 123004 **DOI:** 10.1103/PhysRevD.94.123004 **Published:** DEC 5 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** An  $f(R)$  model for dark matter: rotation curves and gravitational lensing  
**Author(s):** Shojai, F (Shojai, F.); Shojai, A (Shojai, A.)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 46 **Issue:** 4 **Article Number:** 1704 **DOI:** 10.1007/s10714-014-1704-4 **Published:** APR 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Gravitational lens optical scalars in terms of energy-momentum distributions  
**Author(s):** Gallo, E (Gallo, Emanuel); Moreschi, OM (Moreschi, Osvaldo M.)  
**Source:** PHYSICAL REVIEW D **Volume:** 83 **Issue:** 8 **Article Number:** 083007 **DOI:** 10.1103/PhysRevD.83.083007 **Published:** APR 29 2011  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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17 citas

**Title:** Modeling dark matter halos with nonlinear field theories  
**Author(s):** Correa, RAC (Correa, R. A. C.); Moraes, PHRS (Moraes, P. H. R. S.); Dutra, AD (Dutra, A. de Souza); Dors, OL (Dors, O. L.); de Paulai, W (de Paulai, W.); Frederico, T (Frederico, T.)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 10 **Article Number:** 103519 **DOI:** 10.1103/PhysRevD.103.103519 **Published:** MAY 14 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Asymmetric dark matter with a possible Bose-Einstein condensate  
**Author(s):** HajiSadeghi, S (HajiSadeghi, Shakiba); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 2 **Article Number:** 023514 **DOI:** 10.1103/PhysRevD.99.023514 **Published:** JAN 9 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Head-on collision of multistate ultralight BEC dark matter configurations  
**Author(s):** Guzman, FS (Guzman, F. S.); Avilez, AA (Avilez, Ana A.)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 11 **Article Number:** 116003 **DOI:** 10.1103/PhysRevD.97.116003 **Published:** JUN 5 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** THE DARK SIDE OF A BOSE GAS  
**Author(s):** Sadegi, SH (Sadegi, S. Haji); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)  
**Source:** ACTA PHYSICA POLONICA B **Volume:** 48 **Issue:** 12 **Pages:** 2389-2396 **DOI:** 10.5506/APhysPolB.48.2389 **Published:** DEC 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0587-4254  
**eISSN:** 1509-5770

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**Title:** A Gauss-Bonnet Cosmology with an Effective Time-Dependent Scalar Potential  
**Author(s):** El-Nabulsi, RA (El-Nabulsi, Rami Ahmad)  
**Source:** ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES **Volume:** 72 **Issue:** 5 **Pages:** 401-407 **DOI:** 10.1515/zna-2016-0470 **Published:** MAY 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0932-0784  
**eISSN:** 1865-7109

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**Title:** Perturbations of ultralight vector field dark matter  
**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article Number:** 064 **DOI:** 10.1007/JHEP02(2017)064 **Published:** FEB 13 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Bose-Einstein Condensate Dark Matter Halos Confronted with Galactic Rotation Curves  
**Author(s):** Dwornik, M (Dwornik, M.); Keresztes, Z (Keresztes, Z.); Kun, E (Kun, E.); Gergely, LA (Gergely, L. A.)  
**Source:** ADVANCES IN HIGH ENERGY PHYSICS **Volume:** 2017 **Article Number:** 4025386 **DOI:** 10.1155/2017/4025386 **Published:** 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1687-7357  
**eISSN:** 1687-7365

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**Title:** Cosmological perturbations in coherent oscillating scalar field models  
**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article Number:** 013 **DOI:** 10.1007/JHEP03(2016)013 **Published:** MAR 3 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** A UNIVERSAL SFDM HALO MASS FOR THE ANDROMEDA AND MILKY WAY'S DSPHS?  
**Author(s):** Lora, V (Lora, V.)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 807 **Issue:** 2 **Article Number:** 116 **DOI:** 10.1088/0004-637X/807/2/116 **Published:** JUL 10 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Dark radiation from a unified dark fluid model  
**Author(s):** Geng, CQ (Geng, Chao-Qiang); Tsai, LH (Tsai, Lu-Hsing); Zhang, X (Zhang, Xin)  
**Source:** PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS **Volume:** 2014 **Issue:** 6 **Article Number:** 063E01 **DOI:** 10.1093/ptep/ptu072 **Published:** JUN 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2050-3911

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**Title:** Brans-Dicke theory and the emergence of Lambda CDM model  
**Author(s):** Hrycyna, O (Hrycyna, Orest); Szydlowski, M (Szydlowski, Marek)  
**Source:** PHYSICAL REVIEW D **Volume:** 88 **Issue:** 6 **Article Number:** 064018 **DOI:** 10.1103/PhysRevD.88.064018 **Published:** SEP 9 2013  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Ultrarelativistic Bose-Einstein gas on Lorentz symmetry violation  
**Author(s):** de Sales, JA (de Sales, J. A.); Costa-Soares, T (Costa-Soares, T.); Otoya, VJV (Vasquez Otoya, V. J.)  
**Source:** PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 391 **Issue:** 22 **Pages:** 5422-5432 **DOI:** 10.1016/j.physa.2012.06.043 **Published:** NOV 15 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0378-4371

eISSN: 1873-2119

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**Title:** Axion as a cold dark matter candidate: Low-mass case

**Author(s):** Park, CG (Park, Chan-Gyung); Hwang, JC (Hwang, Jai-chan); Noh, H (Noh, Hyerim)

**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 8 **Article**

**Number:** 083535 **DOI:** 10.1103/PhysRevD.86.083535 **Published:** OCT 22 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Study of stability of relativistic ideal Bose-Einstein condensates

**Author(s):** Briscese, F (Briscese, F.); Grether, M (Grether, M.); de Llano, M (de Llano, M.); Baker, GA (Baker, George A., Jr.)

**Source:** PHYSICS LETTERS A **Volume:** 376 **Issue:** 45 **Pages:** 2911-

2916 **DOI:** 10.1016/j.physleta.2012.08.036 **Published:** OCT 1 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0375-9601

**eISSN:** 1873-2429

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**Title:** Planck-scale effects on Bose-Einstein condensates

**Author(s):** Briscese, F (Briscese, F.); Grether, M (Grether, M.); de Llano, M (de Llano, M.)

**Source:** EPL **Volume:** 98 **Issue:** 6 **Article Number:** 60001 **DOI:** 10.1209/0295-5075/98/60001 **Published:** JUN 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0295-5075

**eISSN:** 1286-4854

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**Title:** Power spectrum for the Bose-Einstein condensate dark matter

**Author(s):** Velten, H (Velten, Hermano); Wamba, E (Wamba, Etienne)

**Source:** PHYSICS LETTERS B **Volume:** 709 **Issue:** 1-2 **Pages:** 1-5 **DOI:** 10.1016/j.physletb.2012.01.071 **Published:** MAR 13 2012

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Viability of complex self-interacting scalar field as dark matter

**Author(s):** Briscese, F (Briscese, F.)

**Source:** PHYSICS LETTERS B **Volume:** 696 **Issue:** 4 **Pages:** 315-320 **DOI:** 10.1016/j.physletb.2010.12.064 **Published:** FEB 7 2011

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693  
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1 cita

**Title:** Cosmological constraints for a two branes system in a vacuum bulk  
**Author(s):** Perez, JL (Luis Perez, Juan); Urena-Lopez, LA (Arturo Urena-Lopez, L.); Cordero, R (Cordero, Ruben)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 2 **Article Number:** 2 **DOI:** 10.1007/s10714-014-1847-3 **Published:** FEB 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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46 citas

**Title:** Multi-fluid cosmology in Einstein gravity: analytical solutions  
**Author(s):** Faraoni, V (Faraoni, Valerio); Jose, S (Jose, Sonia); Dussault, S (Dussault, Steve)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 53 **Issue:** 12 **Article Number:** 109 **DOI:** 10.1007/s10714-021-02879-z **Published:** DEC 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Long-wavelength nonlinear perturbations of a complex scalar field  
**Author(s):** Padilla, LE (Padilla, Luis E.); Hidalgo, JC (Carlos Hidalgo, Juan); Nunez, D (Nunez, Dario)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article Number:** 083513 **DOI:** 10.1103/PhysRevD.104.083513 **Published:** OCT 5 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Constraining ultra-light axions with galaxy cluster number counts  
**Author(s):** Diehl, J (Diehl, J.); Weller, J (Weller, J.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 004 **DOI:** 10.1088/1475-7516/2021/08/004 **Published:** AUG 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Nonlinear cosmological structure with ultralight bosons via modified gravity

**Author(s):** Medellin-Gonzalez, SG (Medellin-Gonzalez, Stefany G.); Urena-Lopez, LA (Arturo Urena-Lopez, L.); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 8 **Article Number:** 083509 **DOI:** 10.1103/PhysRevD.103.083509 **Published:** APR 12 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Galaxies with fuzzy dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 78 **Issue:** 10 **Special Issue:** SI **Pages:** 873-877 **DOI:** 10.1007/s40042-021-00077-3 **Early Access Date:** JAN 2021 **Published:** MAY 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0374-4884

**eISSN:** 1976-8524

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**Title:** Wave Dark Matter

**Author(s):** Hui, L (Hui, Lam)

**Edited by:** VanDishoeck EF; Kennicutt RC

**Source:** ANNUAL REVIEW OF ASTRONOMY AND ASTROPHYSICS, VOL 59 **Book Series:** Annual Review of Astronomy and Astrophysics **Volume:** 59 **Pages:** 247-289 **DOI:** 10.1146/annurev-astro-120920-010024 **Published:** 2021

**Language:** English

**Document Type:** Review; Book Chapter

**ISSN:** 0066-4146

**eISSN:** 1545-4282

**ISBN:** 978-0-8243-0959-6

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**Title:** Vortices and waves in light dark matter

**Author(s):** Hui, L (Hui, Lam); Joyce, A (Joyce, Austin); Landry, MJ (Landry, Michael J.); Li, XY (Li, Xinyu)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2021/01/011 **Published:** JAN 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Jeans Instability of Dissipative Self-Gravitating Bose-Einstein Condensates with Repulsive or Attractive Self-Interaction: Application to Dark Matter

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** UNIVERSE **Volume:** 6 **Issue:** 12 **Article Number:** 226 **DOI:** 10.3390/universe6120226 **Published:** DEC 2020

**Language:** English

**Document Type:** Article

**eISSN:** 2218-1997

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Jeans instability in dark matter halos

**Author(s):** Ourabah, K (Ourabah, Kamel)

**Source:** PHYSICA SCRIPTA **Volume:** 95 **Issue:** 5 **Article Number:** 055005 **DOI:** 10.1088/1402-4896/ab7650 **Published:** MAY 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0031-8949

**eISSN:** 1402-4896

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**Title:** How sound are our ultralight axion approximations?

**Author(s):** Cookmeyer, J (Cookmeyer, Jonathan); Grin, D (Grin, Daniel); Smith, TL (Smith, Tristan L.)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 2 **Article Number:** 023501 **DOI:** 10.1103/PhysRevD.101.023501 **Published:** JAN 2 2020

**Language:** English

**Document Type:** Article



ISSN: 2470-0010  
eISSN: 2470-0029

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article**

**Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019

**Language:** English

**Document Type:** Article

ISSN: 2470-0010

eISSN: 2470-0029

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article**

**Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

ISSN: 2190-5444

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**Title:** Scalar field dark matter: helping or hurting small-scale problems in cosmology?

**Author(s):** Robles, VH (Robles, Victor H.); Bullock, JS (Bullock, James S.); Boylan-Kolchin, M (Boylan-Kolchin, Michael)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 483 **Issue:** 1 **Pages:** 289-

298 **DOI:** 10.1093/mnras/sty3190 **Published:** FEB 2019

**Language:** English

**Document Type:** Article

ISSN: 0035-8711

eISSN: 1365-2966

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**Title:** Asymmetric dark matter with a possible Bose-Einstein condensate

**Author(s):** HajiSadeghi, S (HajiSadeghi, Shakiba); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 2 **Article**

**Number:** 023514 **DOI:** 10.1103/PhysRevD.99.023514 **Published:** JAN 9 2019

**Language:** English

**Document Type:** Article

ISSN: 2470-0010

eISSN: 2470-0029

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** PyUltraLight: a pseudo-spectral solver for ultralight dark matter dynamics

**Author(s):** Edwards, F (Edwards, Faber); Kendall, E (Kendall, Emily); Hotchkiss, S (Hotchkiss, Shaun); Easther, R (Easther, Richard)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 10 **Article Number:** 027 **DOI:** 10.1088/1475-7516/2018/10/027 **Published:** OCT 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Phase transitions between dilute and dense axion stars

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Head-on collision of multistate ultralight BEC dark matter configurations

**Author(s):** Guzman, FS (Guzman, F. S.); Avilez, AA (Avilez, Ana A.)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 11 **Article Number:** 116003 **DOI:** 10.1103/PhysRevD.97.116003 **Published:** JUN 5 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** THE DARK SIDE OF A BOSE GAS

**Author(s):** Sadegi, SH (Sadegi, S. Haji); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)

**Source:** ACTA PHYSICA POLONICA B **Volume:** 48 **Issue:** 12 **Pages:** 2389-2396 **DOI:** 10.5506/APhysPolB.48.2389 **Published:** DEC 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0587-4254

**eISSN:** 1509-5770

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**Title:** Galaxy formation with BECDM - I. Turbulence and relaxation of idealized haloes

**Author(s):** Mocz, P (Mocz, Philip); Vogelsberger, M (Vogelsberger, Mark); Robles, VH (Robles, Victor H.); Zavala, J (Zavala, Jesus); Boylan-Kolchin, M (Boylan-Kolchin, Michael); Fialkov, A (Fialkov, Anastasia); Hernquist, L (Hernquist, Lars)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 471 **Issue:** 4 **Pages:** 4559-4570 **DOI:** 10.1093/mnras/stx1887 **Published:** NOV 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Cosmological signatures of ultralight dark matter with an axionlike potential

**Author(s):** Cedeno, FXL (Linares Cedeno, Francisco X.); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.); Urena-Lopez, LA (Arturo Urena-Lopez, L.)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article Number:** 061301 **DOI:** 10.1103/PhysRevD.96.061301 **Published:** SEP 29 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Bose-Einstein-condensed scalar field dark matter and the gravitational wave background from inflation: New cosmological constraints and its detectability by LIGO

**Author(s):** Li, BH (Li, Bohua); Shapiro, PR (Shapiro, Paul R.); Rindler-Daller, T (Rindler-Daller, Tanja)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article Number:** 063505 **DOI:** 10.1103/PhysRevD.96.063505 **Published:** SEP 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Ultralight scalars as cosmological dark matter

**Author(s):** Hui, L (Hui, Lam); Ostriker, JP (Ostriker, Jeremiah P.); Tremaine, S (Tremaine, Scott); Witten, E (Witten, Edward)

**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 4 **Article Number:** 043541 **DOI:** 10.1103/PhysRevD.95.043541 **Published:** FEB 28 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Perturbations of ultralight vector field dark matter

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article**

**Number:** 064 **DOI:** 10.1007/JHEP02(2017)064 **Published:** FEB 13 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Cosmological particle-in-cell simulations with ultralight axion dark matter

**Author(s):** Veltmaat, J (Veltmaat, Jan); Niemeyer, JC (Niemeyer, Jens C.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 12 **Article**

**Number:** 123523 **DOI:** 10.1103/PhysRevD.94.123523 **Published:** DEC 22 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Graviton creation by small scale factor oscillations in an expanding universe

**Author(s):** Schiappacasse, ED (Schiappacasse, Enrico D.); Ford, LH (Ford, L. H.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 084030 **DOI:** 10.1103/PhysRevD.94.084030 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Coupled scalar fields in the late Universe: the mechanical approach and the late cosmic acceleration

**Author(s):** Burgazli, A (Burgazli, Alvina); Zhuk, A (Zhuk, Alexander); Morais, J (Morais, Joao); Bouhmadi-Lopez, M (Bouhmadi-Lopez, Mariam); Kumar, KS (Kumar, K. Sravan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2016/09/045 **Published:** SEP 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Simulations of solitonic core mergers in ultralight axion dark matter cosmologies

**Author(s):** Schwabe, B (Schwabe, Bodo); Niemeyer, JC (Niemeyer, Jens C.); Engels, JF (Engels, Jan F.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 4 **Article Number:** 043513 **DOI:** 10.1103/PhysRevD.94.043513 **Published:** AUG 12 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Characteristic size and mass of galaxies in the Bose-Einstein condensate dark matter model

**Author(s):** Lee, JW (Lee, Jae-Weon)

**Source:** PHYSICS LETTERS B **Volume:** 756 **Pages:** 166-169 **DOI:** 10.1016/j.physletb.2016.03.016 **Published:** MAY 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** Cosmological perturbations in coherent oscillating scalar field models

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article Number:** 013 **DOI:** 10.1007/JHEP03(2016)013 **Published:** MAR 3 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** CONTRASTING GALAXY FORMATION FROM QUANTUM WAVE DARK MATTER,  $\psi$  DM, WITH  $\Lambda$ CDM, USING PLANCK AND HUBBLE DATA

**Author(s):** Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom); Huang, KW (Huang, Kuan-Wei)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 818 **Issue:** 1 **Article Number:** 89 **DOI:** 10.3847/0004-637X/818/1/89 **Published:** FEB 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Boson stars from self-interacting dark matter

**Author(s):** Eby, J (Eby, Joshua); Kouvaris, C (Kouvaris, Chris); Nielsen, NG (Nielsen, Niklas Gronlund); Wijewardhana, LCR (Wijewardhana, L. C. R.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article Number:** 028 **DOI:** 10.1007/JHEP02(2016)028 **Published:** FEB 3 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Dynamical mechanism for ultralight scalar dark matter

**Author(s):** Alexandre, J (Alexandre, J.)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 12 **Article Number:** 123524 **DOI:** 10.1103/PhysRevD.92.123524 **Published:** DEC 22 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Nonlinear clustering during the BEC dark matter phase transition

**Author(s):** de Freitas, RC (de Freitas, Rodolfo C.); Velten, H (Velten, Hermano)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 12 **Article Number:** 597 **DOI:** 10.1140/epjc/s10052-015-3828-4 **Published:** DEC 16 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Understanding the Core-Halo Relation of Quantum Wave Dark Matter from 3D Simulations

**Author(s):** Schive, HY (Schive, Hsi-Yu); Liao, MH (Liao, Ming-Hsuan); Woo, TP (Woo, Tak-Pong); Wong, SK (Wong, Shing-Kwong); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom); Hwang, WYP (Hwang, W-Y. Pauchy)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 113 **Issue:** 26 **Article Number:** 261302 **DOI:** 10.1103/PhysRevLett.113.261302 **Published:** DEC 30 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Galaxy stability within a self-interacting dark matter halo

**Author(s):** Saxton, CJ (Saxton, Curtis J.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 430 **Issue:** 3 **Pages:** 1578-1598 **DOI:** 10.1093/mnras/sts689 **Published:** APR 2013

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Modelling non-dust fluids in cosmology

**Author(s):** Christopherson, AJ (Christopherson, Adam J.); Hidalgo, JC (Carlos Hidalgo, Juan); Malik, KA (Malik, Karim A.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2013/01/002 **Published:** JAN 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Axion as a cold dark matter candidate: Low-mass case

**Author(s):** Park, CG (Park, Chan-Gyung); Hwang, JC (Hwang, Jai-chan); Noh, H (Noh, Hyerim)

**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 8 **Article Number:** 083535 **DOI:** 10.1103/PhysRevD.86.083535 **Published:** OCT 22 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** On the mass of ultra-light bosonic dark matter from galactic dynamics

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan); Bernal, A (Bernal, Argelia); Sanchez-Salcedo, FJ (Sanchez-Salcedo, F. J.); Grebel, EK (Grebel, E. K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 2 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2012/02/011 **Published:** FEB 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Cosmological inhomogeneities with Bose-Einstein condensate dark matter

**Author(s):** Kain, B (Kain, Ben); Ling, HY (Ling, Hong Y.)

**Source:** PHYSICAL REVIEW D **Volume:** 85 **Issue:** 2 **Article Number:** 023527 **DOI:** 10.1103/PhysRevD.85.023527 **Published:** JAN 23 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Finite temperature effects in Bose-Einstein condensed dark matter halos  
**Author(s):** Harko, T (Harko, Tiberiu); Madarassy, EJM (Madarassy, Eniko J. M.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2012/01/020 **Published:** JAN 2012  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

2.1.a.96. **Tonatiuh Matos** and Abril Suárez. Finite temperature and dissipative corrections to the Gross-Pitaevskii equation from  $\lambda\Phi^4$  one loop contributions Europhysics Letters EPL 96, (2011) 56005. Available at: arXiv:1110.3114.

8 citas

**Title:** Gravitationally bound condensates formed by bosons with potential energy  $V(A) = I >(4)[1-\cos(A/f)]$   
**Author(s):** Eby, J (Eby, J.); Suranyi, P (Suranyi, P.); Vaz, C (Vaz, C.); Wijewardhana, LCR (Wijewardhana, L. C. R.)  
**Source:** PHYSICS OF ATOMIC NUCLEI **Volume:** 80 **Issue:** 4 **Pages:** 808-813 **DOI:** 10.1134/S1063778817040093 **Published:** JUL 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1063-7788  
**eISSN:** 1562-692X

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**Title:** Cosmology with a stiff matter era  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 10 **Article Number:** 103004 **DOI:** 10.1103/PhysRevD.92.103004 **Published:** NOV 24 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** A theory of finite-temperature Bose-Einstein condensates in neutron stars

**Author(s):** Gruber, C (Gruber, Christine); Pelster, A (Pelster, Axel)

**Source:** EUROPEAN PHYSICAL JOURNAL D **Volume:** 68 **Issue:** 11 **Article Number:** 341 **DOI:** 10.1140/epjd/e2014-50380-3 **Published:** NOV 6 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6060

**eISSN:** 1434-6079

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**Title:** Scalar field as a Bose-Einstein condensate?

**Author(s):** Castellanos, E (Castellanos, Elias); Escamilla-Rivera, C (Escamilla-Rivera, Celia); Macias, A (Macias, Alfredo); Nunez, D (Nunez, Dario)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 034 **DOI:** 10.1088/1475-7516/2014/11/034 **Published:** NOV 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Bose-Einstein condensate general relativistic stars

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Harko, T (Harko, Tiberiu)

**Source:** PHYSICAL REVIEW D **Volume:** 86 **Issue:** 6 **Article Number:** 064011 **DOI:** 10.1103/PhysRevD.86.064011 **Published:** SEP 5 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

2.1.a.97. Miguel Angel García-Aspeitia, Juan Magaña and **Tonatiuh Matos**. Braneworld Model of Dark Matter: Structure Formation. Gen. Rel. Grav. 44, (2012), 501-601. Available at: arXiv:1102.0825.

6 citas

**Title:** Can neutron disappearance/reappearance experiments definitively rule out the existence of hidden braneworlds endowed with a copy of the Standard Model?

**Author(s):** Stasser, C (Stasser, Coraline); Sarrazin, M (Sarrazin, Michael)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

A **Volume:** 35 **Issue:** 32 **Article**

**Number:** 2050202 **DOI:** 10.1142/S0217751X20502024 **Published:** NOV 20 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0217-751X

**eISSN:** 1793-656X

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**Title:** Gravitational decoupling in cosmology

**Author(s):** Cedeno, FXL (Cedeno, Francisco X. Linares); Contreras, E (Contreras, Ernesto)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 28 **Article**

**Number:** 100543 **DOI:** 10.1016/j.dark.2020.100543 **Published:** MAY 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Study of anisotropy effects on QCD ghost dark energy using the cosmological data

**Author(s):** Hossienkhani, H (Hossienkhani, H.); Yousefi, H (Yousefi, H.); Azimi, N (Azimi, N.); Zarei, Z (Zarei, Z.)

**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 365 **Issue:** 3 **Article**

**Number:** 59 **DOI:** 10.1007/s10509-020-03771-z **Published:** MAR 23 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0004-640X

**eISSN:** 1572-946X

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**Title:** Exploring the dark universe: Constraints on dynamical dark energy models from CMB, BAO and growth rate measurements

**Author(s):** Rivera, AB (Rivera, Alexander Bonilla); Garcia-Easieta, JE (Enrique Garcia-Easieta, Jorge)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

D **Volume:** 28 **Issue:** 9 **Article**

**Number:** 1950118 **DOI:** 10.1142/S0218271819501189 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Warm dark matter effects in a spherical collapse model with shear and angular momentum

**Author(s):** Marciu, M (Marciu, Mihai)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 6 **Article**

**Number:** 063514 **DOI:** 10.1103/PhysRevD.93.063514 **Published:** MAR 14 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Cosmological constraints for a two branes system in a vacuum bulk

**Author(s):** Perez, JL (Luis Perez, Juan); Urena-Lopez, LA (Arturo Urena-Lopez, L.); Cordero, R (Cordero, Ruben)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 2 **Article**

**Number:** 2 **DOI:** 10.1007/s10714-014-1847-3 **Published:** FEB 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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68 citas

**Title:** Multi-fluid cosmology in Einstein gravity: analytical solutions

**Author(s):** Faraoni, V (Faraoni, Valerio); Jose, S (Jose, Sonia); Dussault, S (Dussault, Steve)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 53 **Issue:** 12 **Article**

**Number:** 109 **DOI:** 10.1007/s10714-021-02879-z **Published:** DEC 2021

**Language:** English

**Document Type:** Review

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Ringing of a black hole in a dark matter halo

**Author(s):** Liu, D (Liu, Dong); Yang, Y (Yang, Yi); Wu, SR (Wu, Shurui); Xing, YJ (Xing, Yujia); Xu, ZY (Xu, Zhaoyi); Long, ZW (Long, Zheng-Wen)

**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 10 **Article**

**Number:** 104042 **DOI:** 10.1103/PhysRevD.104.104042 **Published:** NOV 15 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Long-wavelength nonlinear perturbations of a complex scalar field  
**Author(s):** Padilla, LE (Padilla, Luis E.); Hidalgo, JC (Carlos Hidalgo, Juan); Nunez, D (Nunez, Dario)  
**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 8 **Article**  
**Number:** 083513 **DOI:** 10.1103/PhysRevD.104.083513 **Published:** OCT 5 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article**  
**Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Axial Anomaly in Galaxies and the Dark Universe  
**Author(s):** Meinert, J (Meinert, Janning); Hofmann, R (Hofmann, Ralf)  
**Source:** UNIVERSE **Volume:** 7 **Issue:** 6 **Article**  
**Number:** 198 **DOI:** 10.3390/universe7060198 **Published:** JUN 2021  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2218-1997

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**Title:** Charged perfect fluid dark matter model: Known mass density function approach  
**Author(s):** Ghosh, M (Ghosh, Mithun)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 36 **Issue:** 7 **Article**  
**Number:** 2150043 **DOI:** 10.1142/S0217732321500437 **Published:** MAR 7 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Stability of rotating scalar boson stars with nonlinear interactions  
**Author(s):** Siemonsen, N (Siemonsen, Nils); East, WE (East, William E.)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 4 **Article**  
**Number:** 044022 **DOI:** 10.1103/PhysRevD.103.044022 **Published:** FEB 11 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Galaxies with fuzzy dark matter  
**Author(s):** Lee, JW (Lee, Jae-Weon)  
**Source:** JOURNAL OF THE KOREAN PHYSICAL SOCIETY **Volume:** 78 **Issue:** 10 **Special Issue:** SI **Pages:** 873-877 **DOI:** 10.1007/s40042-021-00077-3 **Early Access Date:** JAN 2021 **Published:** MAY 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0374-4884  
**eISSN:** 1976-8524

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**Title:** Black hole binaries and light fields: Gravitational molecules  
**Author(s):** Ikeda, T (Ikeda, Taishi); Bernard, L (Bernard, Laura); Cardoso, V (Cardoso, Vitor); Zilhao, M (Zilhao, Miguel)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 2 **Article Number:** 024020 **DOI:** 10.1103/PhysRevD.103.024020 **Published:** JAN 12 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Stirred and shaken: Dynamical behavior of boson stars and dark matter cores  
**Author(s):** Annulli, L (Annulli, Lorenzo); Cardoso, V (Cardoso, Vitor); Vicente, R (Vicente, Rodrigo)  
**Source:** PHYSICS LETTERS B **Volume:** 811 **Article Number:** 135944 **DOI:** 10.1016/j.physletb.2020.135944 **Published:** DEC 10 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** ETHOS - an effective parametrization and classification for structure formation: the non-linear regime at  $z$  greater than or similar to 5  
**Author(s):** Bohr, S (Bohr, Sebastian); Zavala, J (Zavala, Jesus); Cyr-Racine, FY (Cyr-Racine, Francis-Yan); Vogelsberger, M (Vogelsberger, Mark); Bringmann, T (Bringmann, Torsten); Pfrommer, C (Pfrommer, Christoph)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 498 **Issue:** 3 **Pages:** 3403-3419 **DOI:** 10.1093/mnras/staa2579 **Published:** NOV 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**  
**Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Null and Timelike Geodesics near the Throats of Phantom Scalar Field Wormholes  
**Author(s):** Potashov, I (Potashov, Ivan); Tchemarina, J (Tchemarina, Julia); Tsirulev, A (Tsirulev, Alexander)  
**Source:** UNIVERSE **Volume:** 6 **Issue:** 10 **Article**  
**Number:** 183 **DOI:** 10.3390/universe6100183 **Published:** OCT 2020  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2218-1997

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**Title:** Response of ultralight dark matter to supermassive black holes and binaries  
**Author(s):** Annulli, L (Annulli, Lorenzo); Cardoso, V (Cardoso, Vitor); Vicente, R (Vicente, Rodrigo)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 6 **Article**  
**Number:** 063022 **DOI:** 10.1103/PhysRevD.102.063022 **Published:** SEP 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Testing Bose-Einstein condensate dark matter models with the SPARC galactic rotation curves data  
**Author(s):** Craciun, M (Craciun, Maria); Harko, T (Harko, Tiberiu)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 8 **Article**  
**Number:** 735 **DOI:** 10.1140/epjc/s10052-020-8272-4 **Published:** AUG 13 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Light trapping by the dark matter  
**Author(s):** Mitra, A (Mitra, A.); Khan, M (Khan, M.); Roychoudhury, R (Roychoudhury, R.)  
**Source:** ASTROPHYSICS AND SPACE SCIENCE **Volume:** 365 **Issue:** 7 **Article**  
**Number:** 109 **DOI:** 10.1007/s10509-020-03826-1 **Published:** JUL 7 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-640X  
**eISSN:** 1572-946X

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**Title:** Fate of scalar dark matter solitons around supermassive galactic black holes

**Author(s):** Brax, P (Brax, Philippe); Valageas, P (Valageas, Patrick); Cembranos, JAR (Cembranos, Jose A. R.)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 2 **Article**

**Number:** 023521 **DOI:** 10.1103/PhysRevD.101.023521 **Published:** JAN 24 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Black hole immersed dark matter halo

**Author(s):** Xu, ZY (Xu, Zhaoyi); Gong, XB (Gong, Xiaobo); Zhang, SN (Zhang, Shuang-Nan)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 2 **Article**

**Number:** 024029 **DOI:** 10.1103/PhysRevD.101.024029 **Published:** JAN 9 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article**

**Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Jeans instability and turbulent gravitational collapse of Bose-Einstein condensate dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu)

**Source:** EUROPEAN PHYSICAL JOURNAL

**C Volume:** 79 **Issue:** 9 **DOI:** 10.1140/epjc/s10052-019-7285-3 **Published:** SEP 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Bound orbits near scalar field naked singularities

**Author(s):** Potashov, IM (Potashov, I. M.); Tchamarina, JV (Tchamarina, Ju. V.); Tsurulev, AN (Tsurulev, A. N.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 8 **Article**

**Number:** 709 **DOI:** 10.1140/epjc/s10052-019-7192-7 **Published:** AUG 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

eISSN: 1434-6052

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**Title:** Looking for ultralight dark matter near supermassive black holes

**Author(s):** Bar, N (Bar, Nitsan); Blum, K (Blum, Kfir); Lacroix, T (Lacroix, Thomas); Panci, P (Panci, Paolo)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2019/07/045 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Ultralight dark matter in disk galaxies

**Author(s):** Bar, N (Bar, Nitsan); Blum, K (Blum, Kfir); Eby, J (Eby, Joshua); Sato, R (Sato, Ryosuke)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 10 **Article Number:** 103020 **DOI:** 10.1103/PhysRevD.99.103020 **Published:** MAY 29 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Novel constraints on fermionic dark matter from galactic observables II: Galaxy scaling relations

**Author(s):** Arguëlles, CR (Arguëlles, C. R.); Krut, A (Krut, A.); Rueda, JA (Rueda, J. A.); Ruffini, R (Ruffini, R.)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 24 **Article Number:** 100278 **DOI:** 10.1016/j.dark.2019.100278 **Published:** MAR 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018

**Language:** English



**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Galactic rotation curves versus ultralight dark matter: Implications of the soliton-host halo relation

**Author(s):** Bar, N (Bar, Nitsan); Blas, D (Blas, Diego); Blum, K (Blum, Kfir); Sibiryakov, S (Sibiryakov, Sergey)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**

**Number:** 083027 **DOI:** 10.1103/PhysRevD.98.083027 **Published:** OCT 31 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**

**Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Black hole space-time in dark matter halo

**Author(s):** Xu, ZY (Xu, Zhaoyi); Hou, X (Hou, Xian); Gong, XB (Gong, Xiaobo); Wang, JC (Wang, Jiancheng)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

PHYSICS **Issue:** 9 **Article Number:** 038 **DOI:** 10.1088/1475-7516/2018/09/038 **Published:** SEP 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Phase transitions between dilute and dense axion stars

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article**

**Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Slowly rotating Bose Einstein condensate galactic dark matter halos, and their rotation curves

**Author(s):** Zhang, XY (Zhang, Xiaoyue); Chan, MH (Chan, Man Ho); Harko, T (Harko, Tiberiu); Liang, SD (Liang, Shi-Dong); Leung, CS (Leung, Chun Sing)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 4 **Article Number:** 346 **DOI:** 10.1140/epjc/s10052-018-5835-8 **Published:** APR 28 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties  
**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 3 **Article Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Gravitational waves as a new probe of Bose-Einstein condensate Dark Matter  
**Author(s):** Dev, PSB (Dev, P. S. Bhupal); Lindner, M (Lindner, Manfred); Ohmer, S (Ohmer, Sebastian)  
**Source:** PHYSICS LETTERS B **Volume:** 773 **Pages:** 219-224 **DOI:** 10.1016/j.physletb.2017.08.043 **Published:** OCT 10 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Bose-Einstein Condensate Dark Matter Halos Confronted with Galactic Rotation Curves  
**Author(s):** Dwornik, M (Dwornik, M.); Keresztes, Z (Keresztes, Z.); Kun, E (Kun, E.); Gergely, LA (Gergely, L. A.)  
**Source:** ADVANCES IN HIGH ENERGY PHYSICS **Volume:** 2017 **Article Number:** 4025386 **DOI:** 10.1155/2017/4025386 **Published:** 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1687-7357  
**eISSN:** 1687-7365

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**Title:** Irreversible Thermodynamic Description of Dark Matter and Radiation Creation during Inflationary Reheating

**Author(s):** Su, JT (Su, Juntong); Harko, T (Harko, Tiberiu); Liang, SD (Liang, Shi-Dong)

**Source:** ADVANCES IN HIGH ENERGY PHYSICS **Volume:** 2017 **Article**

**Number:** 7650238 **DOI:** 10.1155/2017/7650238 **Published:** 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1687-7357

**eISSN:** 1687-7365

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**Title:** Cosmological particle-in-cell simulations with ultralight axion dark matter

**Author(s):** Veltmaat, J (Veltmaat, Jan); Niemeyer, JC (Niemeyer, Jens C.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 12 **Article**

**Number:** 123523 **DOI:** 10.1103/PhysRevD.94.123523 **Published:** DEC 22 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Ultralight repulsive dark matter and BEC

**Author(s):** Fan, JJ (Fan, Jiji)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 14 **Pages:** 84-94 **DOI:** 10.1016/j.dark.2016.10.005 **Published:** DEC 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Dark matter concentrations in galactic nuclei according to polytropic models

**Author(s):** Saxton, CJ (Saxton, Curtis J.); Younsi, Z (Younsi, Ziri); Wu, K (Wu, Kinwah)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 461 **Issue:** 4 **Pages:** 4295-

4316 **DOI:** 10.1093/mnras/stw1626 **Published:** OCT 1 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Can dark matter be a scalar field?

**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Malatrasi, JLG (Malatrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** CONTRASTING GALAXY FORMATION FROM QUANTUM WAVE DARK MATTER, psi DM, WITH Lambda CDM, USING PLANCK AND HUBBLE DATA

**Author(s):** Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom); Huang, KW (Huang, Kuan-Wei)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 818 **Issue:** 1 **Article Number:** 89 **DOI:** 10.3847/0004-637X/818/1/89 **Published:** FEB 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Cosmology with a stiff matter era

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 10 **Article Number:** 103004 **DOI:** 10.1103/PhysRevD.92.103004 **Published:** NOV 24 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Testing the Bose-Einstein Condensate dark matter model at galactic cluster scale

**Author(s):** Harko, T (Harko, Tiberiu); Liang, PX (Liang, Pengxiang); Liang, SD (Liang, Shi-Dong); Mocanu, G (Mocanu, Gabriela)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 027 **DOI:** 10.1088/1475-7516/2015/11/027 **Published:** NOV 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Gravitational, lensing, and stability properties of Bose-Einstein condensate dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 4 **Article**

**Number:** 043011 **DOI:** 10.1103/PhysRevD.92.043011 **Published:** AUG 31 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Gravitational induced particle production through a nonminimal curvature-matter coupling

**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.); Mimoso, JP (Mimoso, Jose P.); Pavon, D (Pavon, Diego)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 8 **Article**

**Number:** 386 **DOI:** 10.1140/epjc/s10052-015-3620-5 **Published:** AUG 25 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Axion dark matter, solitons and the cusp-core problem

**Author(s):** Marsh, DJE (Marsh, David J. E.); Pop, AR (Pop, Ana-Roxana)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 451 **Issue:** 3 **Pages:** 2479-2492

**DOI:** 10.1093/mnras/stv1050 **Published:** AUG 11 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Radial alignment of elliptical galaxies by the tidal force of a cluster of galaxies

**Author(s):** Rong, Y (Rong, Yu); Yi, SX (Yi, Shu-Xu); Zhang, SN (Zhang, Shuang-Nan); Tu, H (Tu, Hong)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 451 **Issue:** 3 **Pages:** 2536-2543

**DOI:** 10.1093/mnras/stv865 **Published:** AUG 11 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** A UNIVERSAL SFDM HALO MASS FOR THE ANDROMEDA AND MILKY WAY'S DSPHS?

**Author(s):** Lora, V (Lora, V.)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 807 **Issue:** 2 **Article Number:** 116 **DOI:** 10.1088/0004-637X/807/2/116 **Published:** JUL 10 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Hydrodynamic representation of the Klein-Gordon-Einstein equations in the weak field limit: General formalism and perturbations analysis

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 92 **Issue:** 2 **Article Number:** 023510 **DOI:** 10.1103/PhysRevD.92.023510 **Published:** JUL 8 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Constraint on dark matter central density in the Eddington inspired Born-Infeld (EiBI) gravity with input from Weyl gravity

**Author(s):** Potapov, AA (Potapov, Alexander A.); Izmailov, R (Izmailov, Ramil); Mikolaychuk, O (Mikolaychuk, Olga); Mikolaychuk, N (Mikolaychuk, Nikolay); Ghosh, M (Ghosh, Mithun); Nandi, KK (Nandi, Kamal K.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 018 **DOI:** 10.1088/1475-7516/2015/07/018 **Published:** JUL 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Thin accretion disks around cold Bose-Einstein condensate stars

**Author(s):** Danila, B (Danila, Bogdan); Harko, T (Harko, Tiberiu); Kovacs, Z (Kovacs, Zoltan)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 5 **Article Number:** 203 **DOI:** 10.1140/epjc/s10052-015-3428-3 **Published:** MAY 9 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Upper limit on the central density of dark matter in the Eddington-inspired Born-Infeld (EiBI) gravity

**Author(s):** Izmailov, R (Izmailov, Ramil); Potapov, AA (Potapov, Alexander A.); Filippov, AI (Filippov, Alexander I.); Ghosh, M (Ghosh, Mithun); Nandi, KK (Nandi, Kamal K.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 30 **Issue:** 11 **Article Number:** 1550056 **DOI:** 10.1142/S021773231550056X **Published:** APR 10 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article**

**Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Rotation curves of ultralight BEC dark matter halos with rotation

**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 3 **Article**

**Number:** 21 **DOI:** 10.1007/s10714-015-1865-9 **Published:** MAR 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** A new approach on the stability analysis in ELKO cosmology

**Author(s):** Souza, APD (dos Santos Souza, A. P.); Pereira, SH (Pereira, S. H.); Jesus, JF (Jesus, J. F.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 1 **Article**

**Number:** 36 **DOI:** 10.1140/epjc/s10052-015-3260-9 **Published:** JAN 29 2015

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Understanding the Core-Halo Relation of Quantum Wave Dark Matter from 3D Simulations

**Author(s):** Schive, HY (Schive, Hsi-Yu); Liao, MH (Liao, Ming-Hsuan); Woo, TP (Woo, Tak-Pong); Wong, SK (Wong, Shing-Kwong); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom); Hwang, WYP (Hwang, W-Y. Pauchy)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 113 **Issue:** 26 **Article**

**Number:** 261302 **DOI:** 10.1103/PhysRevLett.113.261302 **Published:** DEC 30 2014

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** THE BRIGHTEST CLUSTER GALAXY IN A85: THE LARGEST CORE KNOWN SO FAR

**Author(s):** Lopez-Cruz, O (Lopez-Cruz, O.); Anorve, C (Anorve, C.); Birkinshaw, M (Birkinshaw, M.); Worrall, DM (Worrall, D. M.); Ibarra-Medel, HJ (Ibarra-Medel, H. J.); Barkhouse, WA (Barkhouse, W. A.); Torres-Papaqui, JP (Torres-Papaqui, J. P.); Motta, V (Motta, V.)

**Source:** ASTROPHYSICAL JOURNAL LETTERS **Volume:** 795 **Issue:** 2 **Article Number:** L31 **DOI:** 10.1088/2041-8205/795/2/L31 **Published:** NOV 10 2014

**Language:** English

**Document Type:** Article

**ISSN:** 2041-8205

**eISSN:** 2041-8213

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Dwarf spheroidal galaxies and Bose-Einstein condensate dark matter

**Author(s):** Diez-Tejedor, A (Diez-Tejedor, Alberto); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.); Profumo, S (Profumo, Stefano)

**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 4 **Article Number:** 043517 **DOI:** 10.1103/PhysRevD.90.043517 **Published:** AUG 18 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Some remarks on the attractor behaviour in ELKO cosmology

**Author(s):** Pereira, SH (Pereira, S. H.); Pinho, SSA (Pinho, A. S. S.); da Silva, JMH (Hoff da Silva, J. M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2014/08/020 **Published:** AUG 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Gravitational collapse of Bose-Einstein condensate dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 084040 **DOI:** 10.1103/PhysRevD.89.084040 **Published:** APR 8 2014

**Language:** English



**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Rotation curves of rotating Galactic Bose-Einstein condensate dark matter halos

**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.); Gonzalez-Aviles, JJ (Gonzalez-Aviles, J. J.); Rivera-Paleo, FJ (Rivera-Paleo, F. J.)

**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 6 **Article**

**Number:** 063507 **DOI:** 10.1103/PhysRevD.89.063507 **Published:** MAR 5 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Stability of BEC galactic dark matter halos

**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.); Gonzalez-Aviles, JJ (Gonzalez-Aviles, J. J.); Rivera-Paleo, FJ (Rivera-Paleo, F. J.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE

PHYSICS **Issue:** 9 **Article Number:** 034 **DOI:** 10.1088/1475-7516/2013/09/034 **Published:** SEP 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Galaxy stability within a self-interacting dark matter halo

**Author(s):** Saxton, CJ (Saxton, Curtis J.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 430 **Issue:** 3 **Pages:** 1578-

1598 **DOI:** 10.1093/mnras/sts689 **Published:** APR 2013

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Hints on halo evolution in scalar field dark matter models with galaxy observations

**Author(s):** Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.); Diez-Tejedor, A (Diez-Tejedor, Alberto); Urena-Lopez, LA (Arturo Urena-Lopez, L.); Valenzuela, O (Valenzuela, Octavio)

**Source:** PHYSICAL REVIEW D **Volume:** 87 **Issue:** 2 **Article**

**Number:** 021301 **DOI:** 10.1103/PhysRevD.87.021301 **Published:** JAN 16 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Galactic cold dark matter as a Bose-Einstein condensate of WISPs

**Author(s):** Pires, MOC (Pires, M. O. C.); de Souza, JCC (de Souza, J. C. C.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 024 **DOI:** 10.1088/1475-7516/2012/11/024 **Published:** NOV 2012

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

- 2.1.a.99. Mario A. Rodríguez-Meza, Alberto Hernández-Almada y **Tonatiuh Matos**. Materia Oscura Escalar Compleja: la versión Hidrodinámica. Rev. Mex. Fis. E58, (2012), 52-60.

1 cita

**Title:** Nonlinear cosmological structure with ultralight bosons via modified gravity

**Author(s):** Medellin-Gonzalez, SG (Medellin-Gonzalez, Stefany G.); Urena-Lopez, LA (Arturo Urena-Lopez, L.); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 8 **Article**

**Number:** 083509 **DOI:** 10.1103/PhysRevD.103.083509 **Published:** APR 12 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

- 2.1.a.100. Juan Magaña, **Tonatiuh Matos**, Abril Suárez and Javier Sánchez-Salcedo. Structure Formation with Scalar Field Dark Matter: The Field approach. J. Cosmology Astroparticle Phys. 10, (2012), 003. Available at: arXiv:1204.5255.

30 citas

**Title:** Cosmological constraints on scalar field dark matter

**Author(s):** Escobal, AA (Escobal, A. A.); Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS

**D Volume:** 30 **Issue:** 15 **Article**

**Number:** 2150108 **DOI:** 10.1142/S021827182150108X **Published:** NOV 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article**

**Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

eISSN: 2470-0029

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**Title:** Nonlinear cosmological structure with ultralight bosons via modified gravity  
**Author(s):** Medellin-Gonzalez, SG (Medellin-Gonzalez, Stefany G.); Urena-Lopez, LA (Arturo Urena-Lopez, L.); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)  
**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 8 **Article**  
**Number:** 083509 **DOI:** 10.1103/PhysRevD.103.083509 **Published:** APR 12 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Catalog of Preinstrumental Earthquakes in Central Mexico: Epicentral and Magnitude Estimations Based on Macroseismic Data  
**Author(s):** Suarez, G (Suarez, Gerardo); Ruiz-Baron, D (Ruiz-Baron, Daniel); Chico-Hernandez, C (Chico-Hernandez, Carlos); Zuniga, FR (Ramon Zuniga, F.)  
**Source:** BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA **Volume:** 110 **Issue:** 6 **Pages:** 3021-3036 **DOI:** 10.1785/0120200127 **Published:** DEC 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0037-1106  
**eISSN:** 1943-3573

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**  
**Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Fermion-boson stars with a quartic self-interaction in the boson sector  
**Author(s):** Valdez-Alvarado, S (Valdez-Alvarado, Susana); Becerril, R (Becerril, Ricardo); Urena-Lopez, LA (Arturo Urena-Lopez, L.)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 6 **Article**  
**Number:** 064038 **DOI:** 10.1103/PhysRevD.102.064038 **Published:** SEP 14 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Cosmological scalar fields and Big-Bang nucleosynthesis  
**Author(s):** Arbey, A (Arbey, A.); Coupechoux, JF (Coupechoux, J. -F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 038 **DOI:** 10.1088/1475-7516/2019/11/038 **Published:** NOV 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Predictive model of BEC dark matter halos with a solitonic core and an isothermal atmosphere

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 8 **Article Number:** 083022 **DOI:** 10.1103/PhysRevD.100.083022 **Published:** OCT 31 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Active Crustal Deformation in the Trans-Mexican Volcanic Belt as Evidenced by Historical Earthquakes During the Last 450 Years

**Author(s):** Suarez, G (Suarez, Gerardo); Caballero-Jimenez, GV (Caballero-Jimenez, Gema V.); Novelo-Casanova, DA (Novelo-Casanova, David A.)

**Source:** TECTONICS **Volume:** 38 **Issue:** 10 **Pages:** 3544-+ **DOI:** 10.1029/2019TC005601 **Published:** OCT 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0278-7407

**eISSN:** 1944-9194

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**Title:** Mass-radius relation of self-gravitating Bose-Einstein condensates with a central black hole

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 134 **Issue:** 7 **Article Number:** 352 **DOI:** 10.1140/epjp/i2019-12734-7 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Asymmetric dark matter with a possible Bose-Einstein condensate

**Author(s):** HajiSadeghi, S (HajiSadeghi, Shakiba); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 2 **Article Number:** 023514 **DOI:** 10.1103/PhysRevD.99.023514 **Published:** JAN 9 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Derivation of a generalized Schrodinger equation for dark matter halos from the theory of scale relativity

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 22 **Pages:** 80-95 **DOI:** 10.1016/j.dark.2018.09.004 **Published:** DEC 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Phase transitions between dilute and dense axion stars

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article Number:** 023009 **DOI:** 10.1103/PhysRevD.98.023009 **Published:** JUL 10 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Head-on collision of multistate ultralight BEC dark matter configurations

**Author(s):** Guzman, FS (Guzman, F. S.); Avilez, AA (Avilez, Ana A.)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 11 **Article Number:** 116003 **DOI:** 10.1103/PhysRevD.97.116003 **Published:** JUN 5 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Oscillatons described by self-interacting quartic scalar fields

**Author(s):** Mahmoodzadeh, A (Mahmoodzadeh, A.); Malekolkalami, B (Malekolkalami, B.)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 19 **Pages:** 21-26 **DOI:** 10.1016/j.dark.2017.11.001 **Published:** MAR 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Bose-Einstein-condensed scalar field dark matter and the gravitational wave background from inflation: New cosmological constraints and its detectability by LIGO

**Author(s):** Li, BH (Li, Bohua); Shapiro, PR (Shapiro, Paul R.); Rindler-Daller, T (Rindler-Daller, Tanja)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article Number:** 063505 **DOI:** 10.1103/PhysRevD.96.063505 **Published:** SEP 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Collapse threshold for a cosmological Klein-Gordon field

**Author(s):** Hidalgo, JC (Carlos Hidalgo, Juan); De Santiago, J (De Santiago, Josue); German, G (German, Gabriel); Barbosa-Cendejas, N (Barbosa-Cendejas, Nandinii); Ruiz-Luna, W (Ruiz-Luna, Waldemar)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article**

**Number:** 063504 **DOI:** 10.1103/PhysRevD.96.063504 **Published:** SEP 6 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Dissipative self-gravitating Bose-Einstein condensates with arbitrary nonlinearity as a model of dark matter halos

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 132 **Issue:** 6 **Article**

**Number:** 248 **DOI:** 10.1140/epjp/i2017-11544-3 **Published:** JUN 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2190-5444

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**Title:** Perturbations of ultralight vector field dark matter

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 2 **Article**

**Number:** 064 **DOI:** 10.1007/JHEP02(2017)064 **Published:** FEB 13 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Collapse of a self-gravitating Bose-Einstein condensate with attractive self-interaction

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 8 **Article**

**Number:** 083007 **DOI:** 10.1103/PhysRevD.94.083007 **Published:** OCT 20 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Coupled scalar fields in the late Universe: the mechanical approach and the late cosmic acceleration

**Author(s):** Burgazli, A (Burgazli, Alvina); Zhuk, A (Zhuk, Alexander); Morais, J (Morais, Joao); Bouhmadi-Lopez, M (Bouhmadi-Lopez, Mariam); Kumar, KS (Kumar, K. Sravan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2016/09/045 **Published:** SEP 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Can dark matter be a scalar field?

**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Malatrasi, JLG (Malatrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Towards accurate cosmological predictions for rapidly oscillating scalar fields as dark matter

**Author(s):** Urena-Lopez, LA (Urena-Lopez, L. Arturo); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 048 **DOI:** 10.1088/1475-7516/2016/07/048 **Published:** JUL 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Cosmological perturbations in coherent oscillating scalar field models

**Author(s):** Cembranos, JAR (Cembranos, J. A. R.); Maroto, AL (Maroto, A. L.); Jareno, SJN (Nunez Jareno, S. J.)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 3 **Article Number:** 013 **DOI:** 10.1007/JHEP03(2016)013 **Published:** MAR 3 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** A UNIVERSAL SFDM HALO MASS FOR THE ANDROMEDA AND MILKY WAY'S DSPHS?

**Author(s):** Lora, V (Lora, V.)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 807 **Issue:** 2 **Article Number:** 116 **DOI:** 10.1088/0004-637X/807/2/116 **Published:** JUL 10 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** A new approach on the stability analysis in ELKO cosmology

**Author(s):** Souza, APD (dos Santos Souza, A. P.); Pereira, SH (Pereira, S. H.); Jesus, JF (Jesus, J. F.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 1 **Article Number:** 36 **DOI:** 10.1140/epjc/s10052-015-3260-9 **Published:** JAN 29 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Some remarks on the attractor behaviour in ELKO cosmology  
**Author(s):** Pereira, SH (Pereira, S. H.); Pinho, SSA (Pinho, A. S. S.); da Silva, JMH (Hoff da Silva, J. M.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2014/08/020 **Published:** AUG 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Nonrelativistic approach for cosmological scalar field dark matter  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, L. Arturo)  
**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 2 **Article Number:** 027306 **DOI:** 10.1103/PhysRevD.90.027306 **Published:** JUL 15 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Cosmological constraints on Bose-Einstein-condensed scalar field dark matter  
**Author(s):** Li, BH (Li, Bohua); Rindler-Daller, T (Rindler-Daller, Tanja); Shapiro, PR (Shapiro, Paul R.)  
**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 083536 **DOI:** 10.1103/PhysRevD.89.083536 **Published:** APR 30 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Gravitational collapse of Bose-Einstein condensate dark matter halos  
**Author(s):** Harko, T (Harko, Tiberiu)  
**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 084040 **DOI:** 10.1103/PhysRevD.89.084040 **Published:** APR 8 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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2.1.a.101. Victor H. Robles and Tonatiuh Matos. Exact Solution to Finite Temperature SFDM: Natural Cores without Feedback. *Astrophys. J.*, 763, (2013), 19. Available at: arXiv:1207.5858.



14 citas

**Title:** Towards exterior/interior correspondence of black-holes

**Author(s):** Aviles-Niebla, C (Aviles-Niebla, C.); Nieto-Marin, PA (Nieto-Marin, P. A.); Nieto, JA (Nieto, J. A.)

**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 17 **Issue:** 12 **Article**

**Number:** 2050180 **DOI:** 10.1142/S0219887820501807 **Published:** OCT 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0219-8878

**eISSN:** 1793-6977

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**Title:** Cosmological simulations of galaxy formation

**Author(s):** Vogelsberger, M (Vogelsberger, Mark); Marinacci, F (Marinacci, Federico); Torrey, P (Torrey, Paul); Puchwein, E (Puchwein, Ewald)

**Source:** NATURE REVIEWS PHYSICS **Volume:** 2 **Issue:** 1 **Pages:** 42-66 **DOI:** 10.1038/s42254-019-0127-2 **Published:** JAN 2020

**Language:** English

**Document Type:** Review

**eISSN:** 2522-5820

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**Title:** Oscillation modes of ultralight BEC dark matter cores

**Author(s):** Guzman, FS (Guzman, F. S.)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 8 **Article**

**Number:** 083513 **DOI:** 10.1103/PhysRevD.99.083513 **Published:** APR 11 2019

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**

**Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

---

**Title:** Head-on collision of multistate ultralight BEC dark matter configurations

**Author(s):** Guzman, FS (Guzman, F. S.); Avilez, AA (Avilez, Ana A.)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 11 **Article**

**Number:** 116003 **DOI:** 10.1103/PhysRevD.97.116003 **Published:** JUN 5 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

eISSN: 2470-0029

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties  
**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 27 **Issue:** 3 **Article**  
**Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Jeans analysis for dwarf spheroidal galaxies in wave dark matter  
**Author(s):** Chen, SR (Chen, Shu-Rong); Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 468 **Issue:** 2 **Pages:** 1338-1348 **DOI:** 10.1093/mnras/stx449 **Published:** JUN 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Can dark matter be a scalar field?  
**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Maltrasi, JLG (Maltrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Partially relativistic self-gravitating Bose-Einstein condensates with a stiff equation of state  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 130 **Issue:** 9 **Article**  
**Number:** 181 **DOI:** 10.1140/epjp/i2015-15181-6 **Published:** SEP 4 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** DETECTING TRIAXIALITY IN THE GALACTIC DARK MATTER HALO THROUGH STELLAR KINEMATICS. II. DEPENDENCE ON NATURE DARK MATTER AND GRAVITY  
**Author(s):** Rojas-Nino, A (Rojas-Nino, Armando); Martinez-Medina, LA (Martinez-Medina, Luis A.); Pichardo, B (Pichardo, Barbara); Valenzuela, O (Valenzuela, Octavio)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 805 **Issue:** 1 **Article Number:** 29 **DOI:** 10.1088/0004-637X/805/1/29 **Published:** MAY 20 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Models of dark matter halos based on statistical mechanics: The classical King model

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri); Lemou, M (Lemou, Mohammed); Mehats, F (Mehats, Florian)

**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 6 **Article Number:** 063531 **DOI:** 10.1103/PhysRevD.91.063531 **Published:** MAR 30 2015

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Some remarks on the attractor behaviour in ELKO cosmology

**Author(s):** Pereira, SH (Pereira, S. H.); Pinho, SSA (Pinho, A. S. S.); da Silva, JMH (Hoff da Silva, J. M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 020 **DOI:** 10.1088/1475-7516/2014/08/020 **Published:** AUG 2014

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Stability of BEC galactic dark matter halos

**Author(s):** Guzman, FS (Guzman, F. S.); Lora-Clavijo, FD (Lora-Clavijo, F. D.); Gonzalez-Aviles, JJ (Gonzalez-Aviles, J. J.); Rivera-Paleo, FJ (Rivera-Paleo, F. J.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 034 **DOI:** 10.1088/1475-7516/2013/09/034 **Published:** SEP 2013

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

2.1.a.102. Israel Quiros, Ricardo García-Salcedo, Jose Edgar Madriz Aguilar and **Tonatiuh Matos**. The Conformal Transformation's Controversy: what are we missing? Gen. Rel. Grav. 45, (2013), 489 - 518. Available at: arXiv:1108.5857.

37 citas

**Title:** On the Trans-Planckian Censorship Conjecture and the generalized non-minimal coupling

**Author(s):** Guleryuz, O (Guleryuz, Omer)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 11 **Article Number:** 043 **DOI:** 10.1088/1475-7516/2021/11/043 **Published:** NOV 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Scalar field unification of interacting viscous dark fluid from a geometrical scalar-tensor theory of gravity

**Author(s):** Aguilar, JEM (Madriz Aguilar, Jose Edgar); Gil-Ocaranza, A (Gil-Ocaranza, A.); Montes, M (Montes, M.); Zamarripa, J (Zamarripa, J.)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 30 **Article Number:** 100706 **DOI:** 10.1016/j.dark.2020.100706 **Published:** DEC 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Equivalence of inflationary models between the metric and Palatini formulation of scalar-tensor theories

**Author(s):** Jarv, L (Jarv, Laur); Karam, A (Karam, Alexandros); Kozak, A (Kozak, Aleksander); Lykkas, A (Lykkas, Angelos); Racioppi, A (Racioppi, Antonio); Saal, M (Saal, Margus)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 4 **Article Number:** 044029 **DOI:** 10.1103/PhysRevD.102.044029 **Published:** AUG 17 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Local scale invariant Kaluza-Klein reduction

**Author(s):** Ygael, T (Ygael, Tomer); Davidson, A (Davidson, Aharon)

**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 2 **Article Number:** 024010 **DOI:** 10.1103/PhysRevD.102.024010 **Published:** JUL 1 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Higgs inflation in complex geometrical scalar-tensor theory of gravity

**Author(s):** Aguilar, JEM (Madriz Aguilar, Jose Edgar); Zamarripa, J (Zamarripa, J.); Montes, M (Montes, M.); Romero, C (Romero, C.)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 28 **Article Number:** 100480 **DOI:** 10.1016/j.dark.2020.100480 **Published:** MAY 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Unweyling Three Mysteries of Nordstrom Gravity

**Author(s):** Duerr, PM (Duerr, Patrick M.)

**Source:** STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS **Volume:** 69 **Pages:** 32-49 **DOI:** 10.1016/j.shpsb.2019.08.005 **Published:** FEB 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1355-2198

**eISSN:** 1879-2502

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**Title:** A generalized Weyl structure with arbitrary non-metricity

**Author(s):** Delhom, A (Delhom, Adria); Lobo, IP (Lobo, Iarley P.); Olmo, GJ (Olmo, Gonzalo J.); Romero, C (Romero, Carlos)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 10 **Article Number:** 878 **DOI:** 10.1140/epjc/s10052-019-7394-z **Published:** OCT 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** More on spacetime thermodynamics in the light of Weyl transformations

**Author(s):** Hammad, F (Hammad, Faycal); Dijamco, D (Dijamco, Daniel)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 8 **Article Number:** 084016 **DOI:** 10.1103/PhysRevD.99.084016 **Published:** APR 10 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Hubble diagrams in the Jordan and Einstein frames

**Author(s):** Rashidi, R (Rashidi, Reza)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 51 **Issue:** 1 **Article Number:** 8 **DOI:** 10.1007/s10714-018-2490-1 **Published:** JAN 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Revisiting wormhole energy conditions in Riemann-Cartan spacetimes and under Weyl transformations

**Author(s):** Hammad, F (Hammad, Faycal); Masse, E (Masse, Etienne); Labelle, P (Labelle, Patrick)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 12 **Article**

**Number:** 124010 **DOI:** 10.1103/PhysRevD.98.124010 **Published:** DEC 12 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Black hole mechanics and thermodynamics in the light of Weyl transformations

**Author(s):** Hammad, F (Hammad, Faycal); Masse, E (Masse, Etienne); Labelle, P (Labelle, Patrick)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 10 **Article**

**Number:** 104049 **DOI:** 10.1103/PhysRevD.98.104049 **Published:** NOV 27 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Interacting quintessence from new formalism of gravitoelectromagnetism formulated on a geometrical scalar-tensor gauge theory of gravity

**Author(s):** Aguilar, JEM (Madriz Aguilar, Jose Edgar); Montes, M (Montes, M.)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 21 **Pages:** 47-54 **DOI:** 10.1016/j.dark.2018.05.007 **Published:** SEP 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Frame-invariant approach to higher-dimensional scalar-tensor gravity

**Author(s):** Karam, A (Karam, Alexandros); Lykkas, A (Lykkas, Angelos); Tamvakis, K (Tamvakis, Kyriakos)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 12 **Article**

**Number:** 124036 **DOI:** 10.1103/PhysRevD.97.124036 **Published:** JUN 14 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Revisiting black holes and wormholes under Weyl transformations

**Author(s):** Hammad, F (Hammad, Faycal)

**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 12 **Article**

**Number:** 124015 **DOI:** 10.1103/PhysRevD.97.124015 **Published:** JUN 11 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

eISSN: 2470-0029

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**Title:** The role of energy conditions in  $f(R)$  cosmology

**Author(s):** Capozziello, S (Capozziello, S.); Nojiri, S (Nojiri, S.); Odintsov, SD (Odintsov, S. D.)

**Source:** PHYSICS LETTERS B **Volume:** 781 **Pages:** 99-106 **DOI:** 10.1016/j.physletb.2018.03.064 **Published:** JUN 10 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0370-2693

**eISSN:** 1873-2445

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**Title:** On the Cauchy problem for Weyl-geometric scalar-tensor theories of gravity

**Author(s):** Avalos, R (Avalos, R.); Lobo, IP (Lobo, I. P.); Sanomiya, T (Sanomiya, T.); Romero, C (Romero, C.)

**Source:** JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 59 **Issue:** 6 **Article Number:** 062502 **DOI:** 10.1063/1.5017848 **Published:** JUN 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0022-2488

**eISSN:** 1089-7658

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**Title:** Linearized modified gravity theories with a cosmological term: advance of perihelion and deflection of light

**Author(s):** Ozer, H (Ozer, Hatice); Delice, O (Delice, Ozgur)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 35 **Issue:** 6 **Article Number:** 065002 **DOI:** 10.1088/1361-6382/aaa633 **Published:** MAR 22 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Straight spinning cosmic strings in Brans-Dicke gravity

**Author(s):** dos Santos, SM (Mittmann dos Santos, S.); da Silva, JMH (Hoff da Silva, J. M.); Cindra, JL (Cindra, J. L.)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 33 **Issue:** 9 **Article Number:** 1850051 **DOI:** 10.1142/S0217732318500517 **Published:** MAR 21 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

**eISSN:** 1793-6632

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**Title:** A nearly cylindrically symmetric source in Brans-Dicke gravity as the generator of the rotational curves of the galaxies

**Author(s):** Santos, SM (Mittmann dos Santos, S.); da Silva, JMH (Hoff da Silva, J. M.); Guimaraes, MEX (Guimaraes, M. E. X.); Neto, JL (Neto, J. L.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 77 **Issue:** 12 **Article Number:** 848 **DOI:** 10.1140/epjc/s10052-017-5397-1 **Published:** DEC 8 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Frame-dependence of higher-order inflationary observables in scalar-tensor theories

**Author(s):** Karam, A (Karam, Alexandros); Pappas, T (Pappas, Thomas); Tamvakis, K (Tamvakis, Kyriakos)

**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 6 **Article**

**Number:** 064036 **DOI:** 10.1103/PhysRevD.96.064036 **Published:** SEP 21 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Strong energy condition and the repulsive character of  $f(R)$  gravity

**Author(s):** Santos, CS (Santos, Crislane S.); Santos, J (Santos, Janilo); Capozziello, S (Capozziello, Salvatore); Alcaniz, JS (Alcaniz, Jailson S.)

**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 49 **Issue:** 4 **Article**

**Number:** 50 **DOI:** 10.1007/s10714-017-2212-0 **Published:** APR 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0001-7701

**eISSN:** 1572-9532

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**Title:** Nonminimal coupling in anisotropic teleparallel inflation

**Author(s):** Abedi, H (Abedi, Habib); Wright, M (Wright, Matthew); Abbassi, AM (Abbassi, Amir M.)

**Source:** PHYSICAL REVIEW D **Volume:** 95 **Issue:** 6 **Article**

**Number:** 064020 **DOI:** 10.1103/PhysRevD.95.064020 **Published:** MAR 14 2017

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** UV (in)sensitivity of Higgs inflation

**Author(s):** Fumagalli, J (Fumagalli, Jacopo); Postma, M (Postma, Marieke)

**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 5 **Article**

**Number:** 049 **DOI:** 10.1007/JHEP05(2016)049 **Published:** MAY 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1029-8479

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**Title:** Gravitational Lensing in the Strong Field Limit for Kar's Metric



**Author(s):** Benavides, CA (Benavides, Carlos A.); Cardenas-Avendao, A (Cardenas-Avendao, Alejandro); Larranaga, A (Larranaga, Alexis)

**Source:** INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS **Volume:** 55 **Issue:** 4 **Pages:** 2219-2236 **DOI:** 10.1007/s10773-015-2861-2 **Published:** APR 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0020-7748

**eISSN:** 1572-9575

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**Title:** MOND-Like Acceleration in Integrable Weyl Geometric Gravity

**Author(s):** Scholz, E (Scholz, Erhard)

**Source:** FOUNDATIONS OF PHYSICS **Volume:** 46 **Issue:** 2 **Pages:** 176-208 **DOI:** 10.1007/s10701-015-9960-z **Published:** FEB 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0015-9018

**eISSN:** 1572-9516

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**Title:** Intermediate accelerated solutions as generic late-time attractors in a modified Jordan-Brans-Dicke theory

**Author(s):** Cid, A (Cid, Antonella); Leon, G (Leon, Genly); Leyva, Y (Leyva, Yoelsy)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 2 **Article Number:** 027 **DOI:** 10.1088/1475-7516/2016/02/027 **Published:** FEB 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Transformation properties and general relativity regime in scalar-tensor theories

**Author(s):** Jarv, L (Jaerv, Laur); Kuusk, P (Kuusk, Piret); Saal, M (Saal, Margus); Vilson, O (Vilson, Ott)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 32 **Issue:** 23 **Article Number:** 235013 **DOI:** 10.1088/0264-9381/32/23/235013 **Published:** DEC 2 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** (2+1)-dimensional gravity in Weyl integrable spacetime

**Author(s):** Aguilar, JEM (Madriz Aguilar, J. E.); Romero, C (Romero, C.); Neto, JBF (Fonseca Neto, J. B.); Almeida, TS (Almeida, T. S.); Formiga, JB (Formiga, J. B.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 32 **Issue:** 21 **Article Number:** 215003 **DOI:** 10.1088/0264-9381/32/21/215003 **Published:** NOV 5 2015

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

eISSN: 1361-6382

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**Title:** A conformally invariant theory of gravitation in metric measure space  
**Author(s):** Rahmanpour, N (Rahmanpour, Nafiseh); Shojaie, H (Shojaie, Hossein)  
**Source:** GENERAL RELATIVITY AND GRAVITATION **Volume:** 47 **Issue:** 10 **Article Number:** 123 **DOI:** 10.1007/s10714-015-1962-9 **Published:** OCT 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0001-7701  
**eISSN:** 1572-9532

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**Title:** Space-time singularities in Weyl manifolds  
**Author(s):** Lobo, IP (Lobo, I. P.); Barreto, AB (Barreto, A. B.); Romero, C (Romero, C.)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 9 **Article Number:** 448 **DOI:** 10.1140/epjc/s10052-015-3671-7 **Published:** SEP 25 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Spinorial wave equations and stability of the Milne spacetime  
**Author(s):** Gasperin, E (Gasperin, Edgar); Kroon, JAV (Kroon, Juan Antonio Valiente)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 32 **Issue:** 18 **Article Number:** 185021 **DOI:** 10.1088/0264-9381/32/18/185021 **Published:** SEP 24 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Induced geometry from disformal transformation  
**Author(s):** Yuan, FF (Yuan, Fang-Fang); Huang, P (Huang, Peng)  
**Source:** PHYSICS LETTERS B **Volume:** 744 **Pages:** 120-124 **DOI:** 10.1016/j.physletb.2015.03.031 **Published:** MAY 11 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Invariant quantities in the scalar-tensor theories of gravitation  
**Author(s):** Jarv, L (Jaerv, Laur); Kuusk, P (Kuusk, Piret); Saal, M (Saal, Margus); Vilson, O (Vilson, Ott)  
**Source:** PHYSICAL REVIEW D **Volume:** 91 **Issue:** 2 **Article Number:** 024041 **DOI:** 10.1103/PhysRevD.91.024041 **Published:** JAN 28 2015  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998

eISSN: 1550-2368

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**Title:** Equivalence of the Einstein and Jordan frames

**Author(s):** Postma, M (Postma, Marieke); Volponi, M (Volponi, Marco)

**Source:** PHYSICAL REVIEW D **Volume:** 90 **Issue:** 10 **Article**

**Number:** 103516 **DOI:** 10.1103/PhysRevD.90.103516 **Published:** NOV 12 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Present accelerated expansion of the universe from new Weyl-integrable gravity approach

**Author(s):** Aguila, R (Aguila, Ricardo); Aguilar, JEM (Madriz Aguilar, Jose Edgar); Moreno, C (Moreno, Claudia); Bellini, M (Bellini, Mauricio)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 74 **Issue:** 11 **Article**

**Number:** 3158 **DOI:** 10.1140/epjc/s10052-014-3158-y **Published:** NOV 11 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** The holographic bound in the scalar-tensor and f (R) gravities

**Author(s):** Firouzjaee, JT (Firouzjaee, J. T.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 73 **Issue:** 10 **Article**

**Number:** 2595 **DOI:** 10.1140/epjc/s10052-013-2595-3 **Published:** OCT 9 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Cosmological solutions of a nonlocal model with a perfect fluid

**Author(s):** Elizalde, E (Elizalde, Emilio); Pozdeeva, EO (Pozdeeva, Ekaterina O.); Vernov, SY (Vernov, Sergey Yu); Zhang, YL (Zhang, Ying-li)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 034 **DOI:** 10.1088/1475-7516/2013/07/034 **Published:** JUL 2013

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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4 citas

**Title:** Asymmetric dark matter with a possible Bose-Einstein condensate  
**Author(s):** HajiSadeghi, S (HajiSadeghi, Shakiba); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 2 **Article Number:** 023514 **DOI:** 10.1103/PhysRevD.99.023514 **Published:** JAN 9 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** THE DARK SIDE OF A BOSE GAS  
**Author(s):** Sadegi, SH (Sadegi, S. Haji); Smolenski, S (Smolenski, S.); Wudka, J (Wudka, J.)  
**Source:** ACTA PHYSICA POLONICA B **Volume:** 48 **Issue:** 12 **Pages:** 2389-2396 **DOI:** 10.5506/APhysPolB.48.2389 **Published:** DEC 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0587-4254  
**eISSN:** 1509-5770

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**Title:** Single scale factor for the universe from the creation of radiation and matter till the present  
**Author(s):** Erdem, R (Erdem, Recai)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 74 **Issue:** 9 **Article Number:** 3066 **DOI:** 10.1140/epjc/s10052-014-3066-1 **Published:** SEP 23 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Dark radiation from a unified dark fluid model  
**Author(s):** Geng, CQ (Geng, Chao-Qiang); Tsai, LH (Tsai, Lu-Hsing); Zhang, X (Zhang, Xin)  
**Source:** PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS **Volume:** 2014 **Issue:** 6 **Article Number:** 063E01 **DOI:** 10.1093/ptep/ptu072 **Published:** JUN 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2050-3911

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2.1.a.105. Victor H. Robles and **Tonatiuh Matos**. Strong Lensing on Cluster and Galactic Scales with Dark Matter Only. Phys. Rev. D87, (2013), 083008. Available at: arXiv:1302.5944.

5 citas

**Title:** Strong Gravitational Lensing by Wave Dark Matter Halos

**Author(s):** Herrera-Martin, A (Herrera-Martin, Antonio); Hendry, M (Hendry, Martin); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.); Urena-Lopez, LA (Arturo Urena-Lopez, L.)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 872 **Issue:** 1 **Article Number:** 11 **DOI:** 10.3847/1538-4357/aafaf0 **Published:** FEB 10 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Can dark matter be a scalar field?

**Author(s):** Jesus, JF (Jesus, J. F.); Pereira, SH (Pereira, S. H.); Malatrasi, JLG (Malatrasi, J. L. G.); Andrade-Oliveira, F (Andrade-Oliveira, F.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 046 **DOI:** 10.1088/1475-7516/2016/08/046 **Published:** AUG 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Towards accurate cosmological predictions for rapidly oscillating scalar fields as dark matter

**Author(s):** Urena-Lopez, LA (Urena-Lopez, L. Arturo); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 048 **DOI:** 10.1088/1475-7516/2016/07/048 **Published:** JUL 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Is Sextans dwarf galaxy in a scalar field dark matter halo?

**Author(s):** Lora, V (Lora, V.); Magana, J (Magana, Juan)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 9 **Article Number:** 011 **DOI:** 10.1088/1475-7516/2014/09/011 **Published:** SEP 2014

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Gravitational collapse of Bose-Einstein condensate dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu)  
**Source:** PHYSICAL REVIEW D **Volume:** 89 **Issue:** 8 **Article Number:** 084040 **DOI:** 10.1103/PhysRevD.89.084040 **Published:** APR 8 2014  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
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**Title:** Weyl metrics and wormholes  
**Author(s):** Gibbons, GW (Gibbons, Gary W.); Volkov, MS (Volkov, Mikhail S.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 5 **Article Number:** 039 **DOI:** 10.1088/1475-7516/2017/05/039 **Published:** MAY 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** The Unified Spacememory Network: from Cosmogenesis to Consciousness  
**Author(s):** Hamein, N (Hamein, Nassim); Brown, WD (Brown, William David); Baker, AV (Baker, Amira Val)  
**Source:** NEUROQUANTOLOGY **Volume:** 14 **Issue:** 4 **Pages:** 657-671 **DOI:** 10.14704/nq.2016.14.4.961 **Published:** DEC 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1303-5150

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**Title:** Cylindrically symmetric wormholes WhCR(e): The motion of test particles  
**Author(s):** Aminova, AV (Aminova, Asya V.); Brill, DR (Brill, Dieter R.); Chumarov, PI (Chumarov, Pavel I.); Shemakhin, AY (Shemakhin, Aleksandr Yu.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 2 **Article Number:** 024027 **DOI:** 10.1103/PhysRevD.94.024027 **Published:** JUL 18 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** From the Flamm-Einstein-Rosen bridge to the modern renaissance of traversable wormholes  
**Author(s):** Lobo, FSN (Lobo, Francisco S. N.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 25 **Issue:** 7 **Article Number:** 1630017 **DOI:** 10.1142/S0218271816300172 **Published:** JUN 2016

**Language:** English  
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**Title:** Towards exterior/interior correspondence of black-holes  
**Author(s):** Aviles-Niebla, C (Aviles-Niebla, C.); Nieto-Marin, PA (Nieto-Marin, P. A.); Nieto, JA (Nieto, J. A.)  
**Source:** INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS **Volume:** 17 **Issue:** 12 **Article**  
**Number:** 2050180 **DOI:** 10.1142/S0219887820501807 **Published:** OCT 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0219-8878  
**eISSN:** 1793-6977

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**Title:** Rotation curves of LSBGs and dwarf galaxies in a nearly Newtonian solution  
**Author(s):** Capistrano, AJS (Capistrano, Abraao J. S.); Barrocas, GRG (Barrocas, Guilherme R. G.)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 475 **Issue:** 2 **Pages:** 2204-2214 **DOI:** 10.1093/mnras/stx2909 **Published:** APR 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Simulations of solitonic core mergers in ultralight axion dark matter cosmologies  
**Author(s):** Schwabe, B (Schwabe, Bodo); Niemeyer, JC (Niemeyer, Jens C.); Engels, JF (Engels, Jan F.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 4 **Article**  
**Number:** 043513 **DOI:** 10.1103/PhysRevD.94.043513 **Published:** AUG 12 2016  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Behavior of luminous matter in the head-on encounter of two ultralight BEC dark matter halos

**Author(s):** Guzman, FS (Guzman, F. S.); Gonzalez, JA (Gonzalez, J. A.); Cruz-Perez, JP (Cruz-Perez, J. P.)

**Source:** PHYSICAL REVIEW D **Volume:** 93 **Issue:** 10 **Article**

**Number:** 103535 **DOI:** 10.1103/PhysRevD.93.103535 **Published:** MAY 26 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

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**Title:** Axial Anomaly in Galaxies and the Dark Universe

**Author(s):** Meinert, J (Meinert, Janning); Hofmann, R (Hofmann, Ralf)

**Source:** UNIVERSE **Volume:** 7 **Issue:** 6 **Article**

**Number:** 198 **DOI:** 10.3390/universe7060198 **Published:** JUN 2021

**Language:** English

**Document Type:** Article

**eISSN:** 2218-1997

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**Title:** One-parametric description for scalar field dark matter potentials

**Author(s):** Cedeno, FXL (Linares Cedeno, Francisco X.); Urena-Lopez, LA (Urena-Lopez, Luis Arturo)

**Source:** ASTRONOMISCHE NACHRICHTEN **Volume:** 342 **Issue:** 1-2 **Special**

**Issue:** SI **Pages:** 404-410 **DOI:** 10.1002/asna.202113942 **Early Access Date:** FEB 2021 **Published:** JAN 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0004-6337

**eISSN:** 1521-3994

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**Title:** Jeans-type instability of a complex self-interacting scalar field in general relativity

**Author(s):** Suarez, A (Suarez, Abril); Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article**

**Number:** 083529 **DOI:** 10.1103/PhysRevD.98.083529 **Published:** OCT 17 2018

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Fundamental Physics with the Hubble Frontier Fields: Constraining Dark Matter Models with the Abundance of Extremely Faint and Distant Galaxies



**Author(s):** Menci, N (Menci, N.); Merle, A (Merle, A.); Totzauer, M (Totzauer, M.); Schneider, A (Schneider, A.); Grazian, A (Grazian, A.); Castellano, M (Castellano, M.); Sanchez, NG (Sanchez, N. G.)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 836 **Issue:** 1 **Article Number:** 61 **DOI:** 10.3847/1538-4357/836/1/61 **Published:** FEB 10 2017

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Irreversible Thermodynamic Description of Dark Matter and Radiation Creation during Inflationary Reheating

**Author(s):** Su, JT (Su, Juntong); Harko, T (Harko, Tiberiu); Liang, SD (Liang, Shi-Dong)

**Source:** ADVANCES IN HIGH ENERGY PHYSICS **Volume:** 2017 **Article Number:** 7650238 **DOI:** 10.1155/2017/7650238 **Published:** 2017

**Language:** English

**Document Type:** Article

**ISSN:** 1687-7357

**eISSN:** 1687-7365

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**Title:** Cosmological particle-in-cell simulations with ultralight axion dark matter

**Author(s):** Veltmaat, J (Veltmaat, Jan); Niemeyer, JC (Niemeyer, Jens C.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 12 **Article Number:** 123523 **DOI:** 10.1103/PhysRevD.94.123523 **Published:** DEC 22 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Towards accurate cosmological predictions for rapidly oscillating scalar fields as dark matter

**Author(s):** Urena-Lopez, LA (Urena-Lopez, L. Arturo); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 048 **DOI:** 10.1088/1475-7516/2016/07/048 **Published:** JUL 2016

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** CONTRASTING GALAXY FORMATION FROM QUANTUM WAVE DARK MATTER,  $\psi$  DM, WITH  $\Lambda$  CDM, USING PLANCK AND HUBBLE DATA

**Author(s):** Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom); Huang, KW (Huang, Kuan-Wei)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 818 **Issue:** 1 **Article Number:** 89 **DOI:** 10.3847/0004-637X/818/1/89 **Published:** FEB 10 2016

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Gravitational induced particle production through a nonminimal curvature-matter coupling

**Author(s):** Harko, T (Harko, Tiberiu); Lobo, FSN (Lobo, Francisco S. N.); Mimoso, JP (Mimoso, Jose P.); Pavon, D (Pavon, Diego)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 75 **Issue:** 8 **Article Number:** 386 **DOI:** 10.1140/epjc/s10052-015-3620-5 **Published:** AUG 25 2015

**Language:** English

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**Title:** Hydrodynamic derivation of the Gross-Pitaevskii equation in general Riemannian metric

**Author(s):** Roitberg, A (Roitberg, Alice); Ricca, RL (Ricca, Renzo L.)

**Source:** JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 54 **Issue:** 31 **Article Number:** 315201 **DOI:** 10.1088/1751-8121/ac0aa0 **Published:** AUG 6 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1751-8113

**eISSN:** 1751-8121

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**Title:** Decay of quantum sensitivity due to three-body loss in Bose-Einstein condensates

**Author(s):** Ratzel, D (Ratzel, Dennis); Schutzhold, R (Schuetzhold, Ralf)

**Source:** PHYSICAL REVIEW A **Volume:** 103 **Issue:** 6 **Article Number:** 063321 **DOI:** 10.1103/PhysRevA.103.063321 **Published:** JUN 28 2021

**Language:** English

**Document Type:** Article

**ISSN:** 2469-9926

**eISSN:** 2469-9934

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**Title:** Non-relativistic limit of thermodynamics of Bose field in a static space-time and Bose-Einstein condensation

**Author(s):** Akant, L (Akant, Levent); Debir, B (Debir, Birses); Iseri, IC (Iseri, I. Cagri)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 35 **Issue:** 4 **Article Number:** 045017 **DOI:** 10.1088/1361-6382/aaa0a7 **Published:** FEB 22 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Optomechanical Analogy for Toy Cosmology with Quantized Scale Factor  
**Author(s):** Smiga, JA (Smiga, Joseph A.); Taylor, JM (Taylor, Jacob M.)  
**Source:** ENTROPY **Volume:** 19 **Issue:** 9 **Article Number:** 485 **DOI:** 10.3390/e19090485 **Published:** SEP 2017  
**Language:** English  
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8 citas

**Title:** Testing Bose-Einstein condensate dark matter models with the SPARC galactic rotation curves data  
**Author(s):** Craciun, M (Craciun, Maria); Harko, T (Harko, Tiberiu)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 8 **Article Number:** 735 **DOI:** 10.1140/epjc/s10052-020-8272-4 **Published:** AUG 13 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Jeans instability and turbulent gravitational collapse of Bose-Einstein condensate dark matter halos  
**Author(s):** Harko, T (Harko, Tiberiu)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **DOI:** 10.1140/epjc/s10052-019-7285-3 **Published:** SEP 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Scalar field dark matter with a cosh potential, revisited  
**Author(s):** Urena-Lopez, LA (Arturo Urena-Lopez, L.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 009 **DOI:** 10.1088/1475-7516/2019/06/009 **Published:** JUN 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** The SLUGGS Survey: The Inner Dark Matter Density Slope of the Massive Elliptical Galaxy NGC 1407

**Author(s):** Wasserman, A (Wasserman, Asher); Romanowsky, AJ (Romanowsky, Aaron J.); Brodie, J (Brodie, Jean); van Dokkum, P (van Dokkum, Pieter); Conroy, C (Conroy, Charlie); Villaume, A (Villaume, Alexa); Forbes, DA (Forbes, Duncan A.); Strader, J (Strader, Jay); Alabi, A (Alabi, Adebisola); Bellstedt, S (Bellstedt, Sabine)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 863 **Issue:** 2 **Article Number:** 130 **DOI:** 10.3847/1538-4357/aad236 **Published:** AUG 20 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Slowly rotating Bose Einstein condensate galactic dark matter halos, and their rotation curves

**Author(s):** Zhang, XY (Zhang, Xiaoyue); Chan, MH (Chan, Man Ho); Harko, T (Harko, Tiberiu); Liang, SD (Liang, Shi-Dong); Leung, CS (Leung, Chun Sing)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 4 **Article Number:** 346 **DOI:** 10.1140/epjc/s10052-018-5835-8 **Published:** APR 28 2018

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties

**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 3 **Article Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0218-2718

**eISSN:** 1793-6594

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**Title:** Simulations of solitonic core mergers in ultralight axion dark matter cosmologies

**Author(s):** Schwabe, B (Schwabe, Bodo); Niemeyer, JC (Niemeyer, Jens C.); Engels, JF (Engels, Jan F.)

**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 4 **Article Number:** 043513 **DOI:** 10.1103/PhysRevD.94.043513 **Published:** AUG 12 2016

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

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**Title:** Towards accurate cosmological predictions for rapidly oscillating scalar fields as dark matter

**Author(s):** Urena-Lopez, LA (Urena-Lopez, L. Arturo); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 048 **DOI:** 10.1088/1475-7516/2016/07/048 **Published:** JUL 2016

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**Title:** Testing Bose-Einstein condensate dark matter models with the SPARC galactic rotation curves data

**Author(s):** Craciun, M (Craciun, Maria); Harko, T (Harko, Tiberiu)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 8 **Article Number:** 735 **DOI:** 10.1140/epjc/s10052-020-8272-4 **Published:** AUG 13 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Subhalo mass function and ultralight bosonic dark matter

**Author(s):** Schutz, K (Schutz, Katelin)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 12 **Article Number:** 123026 **DOI:** 10.1103/PhysRevD.101.123026 **Published:** JUN 24 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Jeans instability and turbulent gravitational collapse of Bose-Einstein condensate dark matter halos

**Author(s):** Harko, T (Harko, Tiberiu)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 79 **Issue:** 9 **DOI:** 10.1140/epjc/s10052-019-7285-3 **Published:** SEP 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

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**Title:** Slowly rotating Bose Einstein condensate galactic dark matter halos, and their rotation curves

**Author(s):** Zhang, XY (Zhang, Xiaoyue); Chan, MH (Chan, Man Ho); Harko, T (Harko, Tiberiu); Liang, SD (Liang, Shi-Dong); Leung, CS (Leung, Chun Sing)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 78 **Issue:** 4 **Article Number:** 346 **DOI:** 10.1140/epjc/s10052-018-5835-8 **Published:** APR 28 2018  
**Language:** English  
**Document Type:** Article  
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**eISSN:** 1434-6052

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties  
**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS D **Volume:** 27 **Issue:** 3 **Article Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018  
**Language:** English  
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**ISSN:** 0218-2718  
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**Title:** Towards accurate cosmological predictions for rapidly oscillating scalar fields as dark matter  
**Author(s):** Urena-Lopez, LA (Urena-Lopez, L. Arturo); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 048 **DOI:** 10.1088/1475-7516/2016/07/048 **Published:** JUL 2016  
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**Title:** Charged thin-shell gravastars in noncommutative geometry  
**Author(s):** Ovgun, A (Ovgun, Ali); Banerjee, A (Banerjee, Ayan); Jusufi, K (Jusufi, Kimet)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 77 **Issue:** 8 **Article Number:** 566 **DOI:** 10.1140/epjc/s10052-017-5139-4 **Published:** AUG 22 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
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**Title:** Weyl metrics and wormholes  
**Author(s):** Gibbons, GW (Gibbons, Gary W.); Volkov, MS (Volkov, Mikhail S.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 5 **Article Number:** 039 **DOI:** 10.1088/1475-7516/2017/05/039 **Published:** MAY 2017

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Cylindrically symmetric wormholes WhCR(e): The motion of test particles  
**Author(s):** Aminova, AV (Aminova, Asya V.); Brill, DR (Brill, Dieter R.); Chumarov, PI (Chumarov, Pavel I.); Shemakhin, AY (Shemakhin, Aleksandr Yu.)  
**Source:** PHYSICAL REVIEW D **Volume:** 94 **Issue:** 2 **Article Number:** 024027 **DOI:** 10.1103/PhysRevD.94.024027 **Published:** JUL 18 2016  
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**Title:** Novel effect induced by spacetime curvature in quantum hydrodynamics  
**Author(s):** Koide, T (Koide, T.); Kodama, T (Kodama, T.)  
**Source:** PHYSICS LETTERS A **Volume:** 383 **Issue:** 23 **Pages:** 2713-2718 **DOI:** 10.1016/j.physleta.2019.05.044 **Published:** AUG 12 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0375-9601  
**eISSN:** 1873-2429

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**Title:** Self-Similarity Analysis of the Nonlinear Schrodinger Equation in the Madelung Form  
**Author(s):** Barna, IF (Barna, Imre F.); Pocsai, MA (Pocsai, Mihaly A.); Matyas, L (Matyas, L.)  
**Source:** ADVANCES IN MATHEMATICAL PHYSICS **Volume:** 2018 **Article Number:** 7087295 **DOI:** 10.1155/2018/7087295 **Published:** 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1687-9120  
**eISSN:** 1687-9139

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**Title:** Bose-Einstein condensates in charged black-hole spacetimes  
**Author(s):** Castellanos, E (Castellanos, Elias); Degollado, JC (Carlos Degollado, Juan); Lammerzahl, C (Laemmerzahl, Claus); Macias, A (Macias, Alfredo); Perlick, V (Perlick, Volker)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 1 **Article Number:** 043 **DOI:** 10.1088/1475-7516/2018/01/043 **Published:** JAN 2018

**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Dynamical boson stars  
**Author(s):** Liebling, SL (Liebling, Steven L.); Palenzuela, C (Palenzuela, Carlos)  
**Source:** LIVING REVIEWS IN RELATIVITY **Volume:** 20 **Article Number:** 5 **DOI:** 10.1007/s41114-017-0007-y **Published:** NOV 13 2017  
**Language:** English  
**Document Type:** Review  
**ISSN:** 2367-3613  
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**Title:** Dark matter from symmetron field  
**Author(s):** Zaregonbadi, R (Zaregonbadi, Raziye); Honardoost, M (Honardoost, Matin)  
**Source:** EUROPEAN PHYSICAL JOURNAL PLUS **Volume:** 136 **Issue:** 11 **Article Number:** 1188 **DOI:** 10.1140/epjp/s13360-021-02199-w **Published:** NOV 28 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2190-5444

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**Title:** Phase diagram of interacting pion matter and isospin charge fluctuations  
**Author(s):** Stashko, OS (Stashko, O. S.); Savchuk, OV (Savchuk, O., V); Poberezhnyuk, RV (Poberezhnyuk, R., V); Vovchenko, V (Vovchenko, V.); Gorenstein, MI (Gorenstein, M., I)  
**Source:** PHYSICAL REVIEW C **Volume:** 103 **Issue:** 6 **Article Number:** 065201 **DOI:** 10.1103/PhysRevC.103.065201 **Published:** JUN 11 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2469-9985  
**eISSN:** 2469-9993

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**Title:** Yet another test of Radial Acceleration Relation for galaxy clusters  
**Author(s):** Pradyumna, S (Pradyumna, S.); Gupta, S (Gupta, Sajal); Seeram, S (Seeram, Sowmya); Desai, S (Desai, Shantanu)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 31 **Article Number:** 100765 **DOI:** 10.1016/j.dark.2020.100765 **Published:** JAN 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2212-6864

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**Title:** Scaling relations for dark matter core density and radius from Chandra X-ray cluster sample

**Author(s):** Gopika, K (Gopika, K.); Desai, S (Desai, Shantanu)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 30 **Article**

**Number:** 100707 **DOI:** 10.1016/j.dark.2020.100707 **Published:** DEC 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Bounds on very weakly interacting ultra light scalar and pseudoscalar dark matter from quantum gravity

**Author(s):** Calmet, X (Calmet, Xavier); Kuipers, F (Kuipers, Folkert)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 8 **Article**

**Number:** 781 **DOI:** 10.1140/epjc/s10052-020-8350-7 **Published:** AUG 27 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Galaxy cluster hydrostatic masses using Tolman-Oppenheimer-Volkoff equation

**Author(s):** Gupta, S (Gupta, Sajal); Desai, S (Desai, Shantanu)

**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 28 **Article**

**Number:** 100499 **DOI:** 10.1016/j.dark.2020.100499 **Published:** MAY 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2212-6864

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**Title:** Rotating multistate boson stars

**Author(s):** Li, HB (Li, Hong-Bo); Sun, S (Sun, Shuo); Hu, TT (Hu, Tong-Tong); Song, Y (Song, Yan); Wang, YQ (Wang, Yong-Qiang)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 4 **Article**

**Number:** 044017 **DOI:** 10.1103/PhysRevD.101.044017 **Published:** FEB 11 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** Dark matter from backreaction? Collapse models on galaxy cluster scales

**Author(s):** Vigneron, Q (Vigneron, Quentin); Buchert, T (Buchert, Thomas)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 36 **Issue:** 17 **Article**

**Number:** 175006 **DOI:** 10.1088/1361-6382/ab32d1 **Published:** SEP 5 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0264-9381

**eISSN:** 1361-6382

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**Title:** Bound on the graviton mass from Chandra x-ray cluster sample  
**Author(s):** Gupta, S (Gupta, Sajal); Desai, S (Desai, Shantanu)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 36 **Issue:** 10 **Article Number:** 105001 **DOI:** 10.1088/1361-6382/ab1599 **Published:** MAY 23 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Oscillation modes of ultralight BEC dark matter cores  
**Author(s):** Guzman, FS (Guzman, F. S.)  
**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 8 **Article Number:** 083513 **DOI:** 10.1103/PhysRevD.99.083513 **Published:** APR 11 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Violation of the equivalence principle from light scalar dark matter  
**Author(s):** Hees, A (Hees, Aurelien); Minazzoli, O (Minazzoli, Olivier); Savalle, E (Savalle, Etienne); Stadnik, YV (Stadnik, Yevgeny, V); Wolf, P (Wolf, Peter)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 6 **Article Number:** 064051 **DOI:** 10.1103/PhysRevD.98.064051 **Published:** SEP 25 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Head-on collision of multistate ultralight BEC dark matter configurations  
**Author(s):** Guzman, FS (Guzman, F. S.); Avilez, AA (Avilez, Ana A.)  
**Source:** PHYSICAL REVIEW D **Volume:** 97 **Issue:** 11 **Article Number:** 116003 **DOI:** 10.1103/PhysRevD.97.116003 **Published:** JUN 5 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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- 2.1.a.116. Luis Ureña-López, Victor H. Robles and Tonatiuh Matos. Mass Discrepancy-Acceleration Relation: a Universal Maximum Dark Matter Acceleration and implications for the Ultralight Scalar Dark Matter Model. Phys. Rev. D96, (2017), 043005. Available at: arXiv:1702.05103.

7 citas

**Title:** Scaling relations for dark matter core density and radius from Chandra X-ray cluster sample

**Author(s):** Gopika, K (Gopika, K.); Desai, S (Desai, Shantanu)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 30 **Article Number:** 100707 **DOI:** 10.1016/j.dark.2020.100707 **Published:** DEC 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2212-6864

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**Title:** Galaxy rotation curves using a non-parametric regression method: core, cuspy and fuzzy scalar field dark matter models

**Author(s):** Fernandez-Hernandez, LM (Fernandez-Hernandez, Lizbeth M.); Montiel, A (Montiel, Ariadna); Rodriguez-Meza, MA (Rodriguez-Meza, Mario A.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 488 **Issue:** 4 **Pages:** 5127-5144 **DOI:** 10.1093/mnras/stz1969 **Published:** OCT 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Radial acceleration relation from ultra-light scalar dark matter

**Author(s):** Lee, JW (Lee, Jae-Weon); Kim, HC (Kim, Hyeong-Chan); Lee, J (Lee, Jungjai)

**Source:** PHYSICS LETTERS B **Volume:** 795 **Pages:** 206-210 **DOI:** 10.1016/j.physletb.2019.06.008 **Published:** AUG 10 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 0370-2693  
**eISSN:** 1873-2445

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**Title:** Flavor of cosmic neutrinos preserved by ultralight dark matter

**Author(s):** Farzan, Y (Farzan, Yasaman); Palomares-Ruiz, S (Palomares-Ruiz, Sergio)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 5 **Article Number:** 051702 **DOI:** 10.1103/PhysRevD.99.051702 **Published:** MAR 21 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Abundance matching for low-mass galaxies in the CDM and FDM models

**Author(s):** Cristofari, P (Cristofari, P.); Ostriker, JP (Ostriker, J. P.)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 482 **Issue:** 4 **Pages:** 4364-4371 **DOI:** 10.1093/mnras/sty2966 **Published:** FEB 2019

**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Multistate scalar field dark matter and its correlation with galactic properties  
**Author(s):** Hernandez-Almada, A (Hernandez-Almada, A.); Garcia-Aspeitia, MA (Garcia-Aspeitia, Miguel A.)  
**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
**D Volume:** 27 **Issue:** 3 **Article**  
**Number:** 1850031 **DOI:** 10.1142/S0218271818500311 **Published:** FEB 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Orbital fingerprints of ultralight scalar fields around black holes  
**Author(s):** Ferreira, MC (Ferreira, Miguel C.); Macedo, CFB (Macedo, Caio F. B.); Cardoso, V (Cardoso, Vitor)  
**Source:** PHYSICAL REVIEW D **Volume:** 96 **Issue:** 8 **Article**  
**Number:** 083017 **DOI:** 10.1103/PhysRevD.96.083017 **Published:** OCT 25 2017  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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30 citas

**Title:** Constraining ultra-light axions with galaxy cluster number counts  
**Author(s):** Diehl, J (Diehl, J.); Weller, J (Weller, J.)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 004 **DOI:** 10.1088/1475-7516/2021/08/004 **Published:** AUG 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1475-7516

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**Title:** Implications of feebly interacting dark sector on neutron star properties and constraints from GW170817  
**Author(s):** Sen, D (Sen, Debashree); Guha, A (Guha, Atanu)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 504 **Issue:** 3 **Pages:** 3354-3363 **DOI:** 10.1093/mnras/stab1056 **Published:** JUL 2021  
**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Axial Anomaly in Galaxies and the Dark Universe

**Author(s):** Meinert, J (Meinert, Janning); Hofmann, R (Hofmann, Ralf)

**Source:** UNIVERSE **Volume:** 7 **Issue:** 6 **Article**

**Number:** 198 **DOI:** 10.3390/universe7060198 **Published:** JUN 2021

**Language:** English

**Document Type:** Article

**eISSN:** 2218-1997

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**Title:** Self-gravitating Equilibria of Non-minimally Coupled Dark Matter Halos

**Author(s):** Gandolfi, G (Gandolfi, Giovanni); Lapi, A (Lapi, Andrea); Liberati, S (Liberati, Stefano)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 910 **Issue:** 1 **Article**

**Number:** 76 **DOI:** 10.3847/1538-4357/abe460 **Published:** MAR 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies

**Author(s):** Nadler, EO (Nadler, E. O.); Drlica-Wagner, A (Drlica-Wagner, A.); Bechtol, K (Bechtol, K.); Mau, S (Mau, S.); Wechsler, RH (Wechsler, R. H.); Gluscevic, V (Gluscevic, V); Boddy, K (Boddy, K.); Pace, AB (Pace, A. B.); Li, TS (Li, T. S.); McNanna, M (McNanna, M.); Riley, AH (Riley, A. H.); Garcia-Bellido, J (Garcia-Bellido, J.); Mao, YY (Mao, Y-Y); Green, G (Green, G.); Burke, DL (Burke, D. L.); Peter, A (Peter, A.); Jain, B (Jain, B.); Abbott, TMC (Abbott, T. M. C.); Aguena, M (Aguena, M.); Allam, S (Allam, S.); Annis, J (Annis, J.); Avila, S (Avila, S.); Brooks, D (Brooks, D.); Kind, MC (Kind, M. Carrasco); Carretero, J (Carretero, J.); Costanzi, M (Costanzi, M.); da Costa, LN (da Costa, L. N.); De Vicente, J (De Vicente, J.); Desai, S (Desai, S.); Diehl, HT (Diehl, H. T.); Doel, P (Doel, P.); Everett, S (Everett, S.); Evrard, AE (Evrard, A. E.); Flaugher, B (Flaugher, B.); Frieman, J (Frieman, J.); Gerdes, DW (Gerdes, D. W.); Gruen, D (Gruen, D.); Gruendl, RA (Gruendl, R. A.); Gschwend, J (Gschwend, J.); Gutierrez, G (Gutierrez, G.); Hinton, SR (Hinton, S. R.); Honscheid, K (Honscheid, K.); Huterer, D (Huterer, D.); James, DJ (James, D. J.); Krause, E (Krause, E.); Kuehn, K (Kuehn, K.); Kuropatkin, N (Kuropatkin, N.); Lahav, O (Lahav, O.); Maia, MAG (Maia, M. A. G.); Marshall, JL (Marshall, J. L.); Menanteau, F (Menanteau, F.); Miquel, R (Miquel, R.); Palmese, A (Palmese, A.); Paz-Chinchon, F (Paz-Chinchon, F.); Plazas, AA (Plazas, A. A.); Romer, AK (Romer, A. K.); Sanchez, E (Sanchez, E.); Scarpine, V (Scarpine, V.); Serrano, S (Serrano, S.); Sevilla-Noarbe, I (Sevilla-Noarbe, I); Smith, M (Smith, M.); Soares-Santos, M (Soares-Santos, M.); Suchyta, E (Suchyta, E.); Swanson, MEC (Swanson, M. E. C.); Tarle, G (Tarle, G.); Tucker, DL (Tucker, D. L.); Walker, AR (Walker, A. R.); Wester, W (Wester, W.)

**Group Author(s):** DES Collaboration

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 126 **Issue:** 9 **Article**

**Number:** 091101 **DOI:** 10.1103/PhysRevLett.126.091101 **Published:** MAR 1 2021

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007  
**eISSN:** 1079-7114

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**Title:** Merger of galactic cores made of ultralight bosonic dark matter  
**Author(s):** Guzman, FS (Guzman, F. S.); Alvarez-Rios, I (Alvarez-Rios, I); Gonzalez, JA (Gonzalez, J. A.)  
**Source:** REVISTA MEXICANA DE FISICA **Volume:** 67 **Issue:** 1 **Pages:** 75-83 **DOI:** 10.31349/RevMexFis.67.75 **Published:** JAN-FEB 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-001X

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**Title:** Fuzzy Dark Matter and Dark Matter Halo Cores  
**Author(s):** Burkert, A (Burkert, A.)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 904 **Issue:** 2 **Article Number:** 161 **DOI:** 10.3847/1538-4357/abb242 **Published:** DEC 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Simulating mixed fuzzy and cold dark matter  
**Author(s):** Schwabe, B (Schwabe, Bodo); Gosenca, M (Gosenca, Mateja); Behrens, C (Behrens, Christoph); Niemeyer, JC (Niemeyer, Jens C.); Easter, R (Easter, Richard)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article Number:** 083518 **DOI:** 10.1103/PhysRevD.102.083518 **Published:** OCT 13 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Bounds on very weakly interacting ultra light scalar and pseudoscalar dark matter from quantum gravity  
**Author(s):** Calmet, X (Calmet, Xavier); Kuipers, F (Kuipers, Folkert)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 8 **Article Number:** 781 **DOI:** 10.1140/epjc/s10052-020-8350-7 **Published:** AUG 27 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1434-6044  
**eISSN:** 1434-6052

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**Title:** Testing Bose-Einstein condensate dark matter models with the SPARC galactic rotation curves data  
**Author(s):** Craciun, M (Craciun, Maria); Harko, T (Harko, Tiberiu)  
**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 8 **Article Number:** 735 **DOI:** 10.1140/epjc/s10052-020-8272-4 **Published:** AUG 13 2020  
**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** The imprint of arms and bars on rotation curves: in-plane and off-plane

**Author(s):** Martinez-Medina, LA (Martinez-Medina, Luis A.); Pichardo, B (Pichardo, Barbara); Peimbert, A (Peimbert, Antonio)

**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 496 **Issue:** 2 **Pages:** 1845-1856 **DOI:** 10.1093/mnras/staa1677 **Published:** AUG 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0035-8711

**eISSN:** 1365-2966

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**Title:** Small-scale structure of fuzzy and axion-like dark matter

**Author(s):** Niemeyer, JC (Niemeyer, Jens C.)

**Source:** PROGRESS IN PARTICLE AND NUCLEAR PHYSICS **Volume:** 113 **Article Number:** 103787 **DOI:** 10.1016/j.pnnp.2020.103787 **Published:** JUL 2020

**Language:** English

**Document Type:** Review

**ISSN:** 0146-6410

**eISSN:** 1873-2224

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**Title:** Soliton Random Walk and the Cluster-Stripping Problem in Ultralight Dark Matter

**Author(s):** Schive, HY (Schive, Hsi-Yu); Chiueh, T (Chiueh, Tzihong); Broadhurst, T (Broadhurst, Tom)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 124 **Issue:** 20 **Article Number:** 201301 **DOI:** 10.1103/PhysRevLett.124.201301 **Published:** MAY 18 2020

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Baryon-driven growth of solitonic cores in fuzzy dark matter halos

**Author(s):** Veltmaat, J (Veltmaat, Jan); Schwabe, B (Schwabe, Bodo); Niemeyer, JC (Niemeyer, Jens C.)

**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 8 **Article Number:** 083518 **DOI:** 10.1103/PhysRevD.101.083518 **Published:** APR 13 2020

**Language:** English

**Document Type:** Article

**ISSN:** 2470-0010

**eISSN:** 2470-0029

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**Title:** From optics to dark matter: A review on nonlinear Schrodinger-Poisson systems

**Author(s):** Paredes, A (Paredes, Angel); Olivieri, DN (Olivieri, David N.); Michinel, H (Michinel, Humberto)

**Source:** PHYSICA D-NONLINEAR PHENOMENA **Volume:** 403 **Article Number:** 132301 **DOI:** 10.1016/j.physd.2019.132301 **Published:** FEB 2020  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0167-2789  
**eISSN:** 1872-8022

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**Title:** Fate of scalar dark matter solitons around supermassive galactic black holes  
**Author(s):** Brax, P (Brax, Philippe); Valageas, P (Valageas, Patrick); Cembranos, JAR (Cembranos, Jose A. R.)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 2 **Article Number:** 023521 **DOI:** 10.1103/PhysRevD.101.023521 **Published:** JAN 24 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Non-sphericity of ultralight-axion dark matter haloes in the Galactic dwarf spheroidal galaxies  
**Author(s):** Hayashi, K (Hayashi, Kohei); Obata, I (Obata, Ippei)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 491 **Issue:** 1 **Pages:** 615-633 **DOI:** 10.1093/mnras/stz2950 **Published:** JAN 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** The Dark Matter Distributions in Low-mass Disk Galaxies. II. The Inner Density Profiles  
**Author(s):** Relatores, NC (Relatores, Nicole C.); Newman, AB (Newman, Andrew B.); Simon, JD (Simon, Joshua D.); Ellis, RS (Ellis, Richard S.); Truong, P (Truong, Phuongmai); Blitz, L (Blitz, Leo); Bolatto, A (Bolatto, Alberto); Martin, C (Martin, Christopher); Matuszewski, M (Matuszewski, Matt); Morrissey, P (Morrissey, Patrick); Neill, JD (Neill, James D.)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 887 **Issue:** 1 **Article Number:** 94 **DOI:** 10.3847/1538-4357/ab5305 **Published:** DEC 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Spatially Resolved Stellar Kinematics of the Ultra-diffuse Galaxy Dragonfly 44. II. Constraints on Fuzzy Dark Matter  
**Author(s):** Wasserman, A (Wasserman, Asher); van Dokkum, P (van Dokkum, Pieter); Romanowsky, AJ (Romanowsky, Aaron J.); Brodie, J (Brodie, Jean); Danieli, S (Danieli, Shany); Forbes, DA (Forbes, Duncan A.); Abraham, R (Abraham, Roberto); Martin, C



(Martin, Christopher); Matuszewski, M (Matuszewski, Matt); Villaume, A (Villaume, Alexa); Tamanas, J (Tamanas, John); Profumo, S (Profumo, Stefano)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 885 **Issue:** 2 **Article Number:** 155 **DOI:** 10.3847/1538-4357/ab3eb9 **Published:** NOV 10 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Looking for ultralight dark matter near supermassive black holes

**Author(s):** Bar, N (Bar, Nitsan); Blum, K (Blum, Kfir); Lacroix, T (Lacroix, Thomas); Panci, P (Panci, Paolo)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 045 **DOI:** 10.1088/1475-7516/2019/07/045 **Published:** JUL 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Scalar field dark matter with a cosh potential, revisited

**Author(s):** Urena-Lopez, LA (Arturo Urena-Lopez, L.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 6 **Article Number:** 009 **DOI:** 10.1088/1475-7516/2019/06/009 **Published:** JUN 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1475-7516

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**Title:** Ultralight dark matter in disk galaxies

**Author(s):** Bar, N (Bar, Nitsan); Blum, K (Blum, Kfir); Eby, J (Eby, Joshua); Sato, R (Sato, Ryosuke)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 10 **Article Number:** 103020 **DOI:** 10.1103/PhysRevD.99.103020 **Published:** MAY 29 2019

**Language:** English

**Document Type:** Article

**ISSN:** 1550-7998

**eISSN:** 1550-2368

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**Title:** Hunting Axion Dark Matter with Protoplanetary Disk Polarimetry

**Author(s):** Fujita, T (Fujita, Tomohiro); Tazaki, R (Tazaki, Ryo); Toma, K (Toma, Kenji)

**Source:** PHYSICAL REVIEW LETTERS **Volume:** 122 **Issue:** 19 **Article Number:** 191101 **DOI:** 10.1103/PhysRevLett.122.191101 **Published:** MAY 14 2019

**Language:** English

**Document Type:** Article

**ISSN:** 0031-9007

**eISSN:** 1079-7114

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**Title:** Ultra-diffuse Galaxies at Ultraviolet Wavelengths  
**Author(s):** Singh, PR (Singh, Pranjala Rajendra); Zaritsky, D (Zaritsky, Dennis); Donnerstein, R (Donnerstein, Richard); Spekkens, K (Spekkens, Kristine)  
**Source:** ASTRONOMICAL JOURNAL **Volume:** 157 **Issue:** 5 **Article Number:** 212 **DOI:** 10.3847/1538-3881/ab16f2 **Published:** MAY 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-6256  
**eISSN:** 1538-3881

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**Title:** Strong Gravitational Lensing by Wave Dark Matter Halos  
**Author(s):** Herrera-Martin, A (Herrera-Martin, Antonio); Hendry, M (Hendry, Martin); Gonzalez-Morales, AX (Gonzalez-Morales, Alma X.); Urena-Lopez, LA (Arturo Urena-Lopez, L.)  
**Source:** ASTROPHYSICAL JOURNAL **Volume:** 872 **Issue:** 1 **Article Number:** 11 **DOI:** 10.3847/1538-4357/aafaf0 **Published:** FEB 10 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0004-637X  
**eISSN:** 1538-4357

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**Title:** Scalar field dark matter: helping or hurting small-scale problems in cosmology?  
**Author(s):** Robles, VH (Robles, Victor H.); Bullock, JS (Bullock, James S.); Boylan-Kolchin, M (Boylan-Kolchin, Michael)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 483 **Issue:** 1 **Pages:** 289-298 **DOI:** 10.1093/mnras/sty3190 **Published:** FEB 2019  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** Galactic rotation curves versus ultralight dark matter: Implications of the soliton-host halo relation  
**Author(s):** Bar, N (Bar, Nitsan); Blas, D (Blas, Diego); Blum, K (Blum, Kfir); Sibiryakov, S (Sibiryakov, Sergey)  
**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 8 **Article Number:** 083027 **DOI:** 10.1103/PhysRevD.98.083027 **Published:** OCT 31 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Violation of the equivalence principle from light scalar dark matter  
**Author(s):** Hees, A (Hees, Aurelien); Minazzoli, O (Minazzoli, Olivier); Savalle, E (Savalle, Etienne); Stadnik, YV (Stadnik, Yevgeny, V); Wolf, P (Wolf, Peter)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 6 **Article**  
**Number:** 064051 **DOI:** 10.1103/PhysRevD.98.064051 **Published:** SEP 25 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Motion in time-periodic backgrounds with applications to ultralight dark matter halos at galactic centers

**Author(s):** Boskovic, M (Boskovic, Mateja); Duque, F (Duque, Francisco); Ferreira, MC (Ferreira, Miguel C.); Miguel, FS (Miguel, Filipe S.); Cardoso, V (Cardoso, Vitor)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article**  
**Number:** 024037 **DOI:** 10.1103/PhysRevD.98.024037 **Published:** JUL 23 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Effects of ultra-light dark matter on the gravitational quantum well

**Author(s):** Castorina, P (Castorina, Paolo); Iorio, A (Iorio, Alfredo); Malinsky, M (Malinsky, Michal)

**Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS  
D **Volume:** 27 **Issue:** 9 **Article**  
**Number:** 1850098 **DOI:** 10.1142/S0218271818500980 **Published:** JUL 2018  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0218-2718  
**eISSN:** 1793-6594

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**Title:** Jeans mass-radius relation of self-gravitating Bose-Einstein condensates and typical parameters of the dark matter particle

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article**  
**Number:** 123551 **DOI:** 10.1103/PhysRevD.103.123551 **Published:** JUN 30 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Quantum tunneling rate of dilute axion stars close to the maximum mass

**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 8 **Article**  
**Number:** 083531 **DOI:** 10.1103/PhysRevD.102.083531 **Published:** OCT 23 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** The M-sigma relation of supermassive black holes from the scalar field dark matter  
**Author(s):** Lee, JW (Lee, Jae-Weon); Kim, HC (Kim, Hyeong-Chan); Lee, J (Lee, Jungjai)  
**Source:** MODERN PHYSICS LETTERS A **Volume:** 35 **Issue:** 19 **Article**  
**Number:** 2050155 **DOI:** 10.1142/S0217732320501552 **Published:** JUN 21 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0217-7323  
**eISSN:** 1793-6632

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**Title:** Core mass-halo mass relation of bosonic and fermionic dark matter halos harboring a supermassive black hole  
**Author(s):** Chavanis, PH (Chavanis, Pierre-Henri)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 6 **Article**  
**Number:** 063532 **DOI:** 10.1103/PhysRevD.101.063532 **Published:** MAR 26 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Fuzzy dark matter soliton cores around supermassive black holes  
**Author(s):** Davies, EY (Davies, Elliot Y.); Mocz, P (Mocz, Philip)  
**Source:** MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY **Volume:** 492 **Issue:** 4 **Pages:** 5721-5729 **DOI:** 10.1093/mnras/staa202 **Published:** MAR 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 0035-8711  
**eISSN:** 1365-2966

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**Title:** From optics to dark matter: A review on nonlinear Schrodinger-Poisson systems  
**Author(s):** Paredes, A (Paredes, Angel); Olivieri, DN (Olivieri, David N.); Michinel, H (Michinel, Humberto)  
**Source:** PHYSICA D-NONLINEAR PHENOMENA **Volume:** 403 **Article**  
**Number:** 132301 **DOI:** 10.1016/j.physd.2019.132301 **Published:** FEB 2020  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0167-2789  
**eISSN:** 1872-8022

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**Title:** Motion in time-periodic backgrounds with applications to ultralight dark matter halos at galactic centers

**Author(s):** Boskovic, M (Boskovic, Mateja); Duque, F (Duque, Francisco); Ferreira, MC (Ferreira, Miguel C.); Miguel, FS (Miguel, Filipe S.); Cardoso, V (Cardoso, Vitor)

**Source:** PHYSICAL REVIEW D **Volume:** 98 **Issue:** 2 **Article**

**Number:** 024037 **DOI:** 10.1103/PhysRevD.98.024037 **Published:** JUL 23 2018

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**Author(s):** Jusufi, K (Jusufi, Kimet); Banerjee, A (Banerjee, Ayan); Ghosh, SG (Ghosh, Sushant G.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 80 **Issue:** 8 **Article**

**Number:** 698 **DOI:** 10.1140/epjc/s10052-020-8287-x **Published:** AUG 4 2020

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Massless charged particles, naked singularity, and GUP in Reissner-Nordstrom-de Sitter-like spacetime

**Author(s):** Vagenas, EC (Vagenas, Elias C.); Ali, AF (Ali, Ahmed Farag); Alshal, H (Alshal, Hassan)

**Source:** PHYSICAL REVIEW D **Volume:** 99 **Issue:** 8 **Article**

**Number:** 084013 **DOI:** 10.1103/PhysRevD.99.084013 **Published:** APR 10 2019

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**Document Type:** Article

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**Author(s):** Bronnikov, KA (Bronnikov, Kirill A.); Kashargin, PE (Kashargin, Pavel E.); Sushkov, SV (Sushkov, Sergey V.)

**Source:** UNIVERSE **Volume:** 7 **Issue:** 11 **Article**  
**Number:** 419 **DOI:** 10.3390/universe7110419 **Published:** NOV 2021  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2218-1997

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**Title:** Cylindrical systems in general relativity  
**Author(s):** Bronnikov, KA (Bronnikov, Kirill A.); Santos, NO (Santos, N. O.); Wang, AZ (Wang, Anzhong)  
**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 37 **Issue:** 11 **Article**  
**Number:** 113002 **DOI:** 10.1088/1361-6382/ab7bba **Published:** JUN 4 2020  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0264-9381  
**eISSN:** 1361-6382

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**Title:** Charged Ellis wormhole and black bounce  
**Author(s):** Huang, H (Huang, Hyat); Yang, JB (Yang, Jinbo)  
**Source:** PHYSICAL REVIEW D **Volume:** 100 **Issue:** 12 **Article**  
**Number:** 124063 **DOI:** 10.1103/PhysRevD.100.124063 **Published:** DEC 30 2019  
**Language:** English  
**Document Type:** Article  
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**Author(s):** Kuznietsov, VA (Kuznietsov, V. A.); Stashko, OS (Stashko, O. S.); Savchuk, OV (Savchuk, O., V); Gorenstein, MI (Gorenstein, M., I)  
**Source:** PHYSICAL REVIEW C **Volume:** 104 **Issue:** 5 **Article**  
**Number:** 055202 **DOI:** 10.1103/PhysRevC.104.055202 **Published:** NOV 23 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2469-9985  
**eISSN:** 2469-9993

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**Title:** Phase diagram of interacting pion matter and isospin charge fluctuations  
**Author(s):** Stashko, OS (Stashko, O. S.); Savchuk, OV (Savchuk, O., V); Poberezhnyuk, RV (Poberezhnyuk, R., V); Vovchenko, V (Vovchenko, V.); Gorenstein, MI (Gorenstein, M., I)  
**Source:** PHYSICAL REVIEW C **Volume:** 103 **Issue:** 6 **Article**  
**Number:** 065201 **DOI:** 10.1103/PhysRevC.103.065201 **Published:** JUN 11 2021

**Language:** English  
**Document Type:** Article  
**ISSN:** 2469-9985  
**eISSN:** 2469-9993

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**Title:** Self-interacting multistate boson stars  
**Author(s):** Li, HB (Li, Hong-Bo); Zeng, YB (Zeng, Yan-Bo); Song, Y (Song, Yan); Wang, YQ (Wang, Yong-Qiang)  
**Source:** JOURNAL OF HIGH ENERGY PHYSICS **Issue:** 4 **Article Number:** 42 **DOI:** 10.1007/JHEP04(2021)042 **Published:** APR 6 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1029-8479

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**Title:** Spectator dark matter in nonstandard cosmologies  
**Author(s):** Cosme, C (Cosme, Catarina); Tenkanen, T (Tenkanen, Tommi)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 12 **Article Number:** 123534 **DOI:** 10.1103/PhysRevD.102.123534 **Published:** DEC 22 2020  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Can dark matter be geometry? A case study with mimetic dark matter  
**Author(s):** Khalifeh, AR (Rida Khalifeh, Ali); Bellomo, N (Bellomo, Nicola); Bernal, JL (Luis Bernal, Jose); Jimenez, R (Jimenez, Raul)  
**Source:** PHYSICS OF THE DARK UNIVERSE **Volume:** 30 **Article Number:** 100646 **DOI:** 10.1016/j.dark.2020.100646 **Published:** DEC 2020  
**Language:** English  
**Document Type:** Article  
**eISSN:** 2212-6864

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**Title:** Primordial dark matter from curvature induced symmetry breaking  
**Author(s):** Laulumaa, L (Laulumaa, Laura); Markkanen, T (Markkanen, Tommi); Nurmi, S (Nurmi, Sami)  
**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 8 **Article Number:** 002 **DOI:** 10.1088/1475-7516/2020/08/002 **Published:** AUG 2020  
**Language:** English  
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**ISSN:** 1475-7516

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**Title:** Dynamical system analysis of Randall-Sundrum model with tachyon field on the brane  
**Author(s):** Ravanpak, A (Ravanpak, A.); Fadakar, GF (Fadakar, G. F.)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 10 **Article Number:** 103525 **DOI:** 10.1103/PhysRevD.101.103525 **Published:** MAY 20 2020

**Language:** English  
**Document Type:** Article  
**ISSN:** 1550-7998  
**eISSN:** 1550-2368

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**Title:** Rotating multistate boson stars  
**Author(s):** Li, HB (Li, Hong-Bo); Sun, S (Sun, Shuo); Hu, TT (Hu, Tong-Tong); Song, Y (Song, Yan); Wang, YQ (Wang, Yong-Qiang)  
**Source:** PHYSICAL REVIEW D **Volume:** 101 **Issue:** 4 **Article Number:** 044017 **DOI:** 10.1103/PhysRevD.101.044017 **Published:** FEB 11 2020  
**Language:** English  
**Document Type:** Article  
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**Title:** Cosmological constant, Planck mass, Hubble mass, and axion: a relation through higher-order loops Coleman-Weinberg potential with Weinberg-Landau gauge  
**Author(s):** El-Nabulsi, RA (El-Nabulsi, Rami Ahmad)  
**Source:** CANADIAN JOURNAL OF PHYSICS **Volume:** 99 **Issue:** 4 **Pages:** 275-280 **DOI:** 10.1139/cjp-2020-0193 **Published:** APR 2021  
**Language:** English  
**Document Type:** Article  
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**Title:** Free scalar correlators in de Sitter space via the stochastic approach beyond the slow-roll approximation  
**Author(s):** Cable, A (Cable, Archie); Rajantie, A (Rajantie, Arttu)



**Source:** PHYSICAL REVIEW D **Volume:** 104 **Issue:** 10 **Article Number:** 103511 **DOI:** 10.1103/PhysRevD.104.103511 **Published:** NOV 15 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 2470-0010  
**eISSN:** 2470-0029

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**Title:** Cosmological particle production: a review  
**Author(s):** Ford, LH (Ford, L. H.)  
**Source:** REPORTS ON PROGRESS IN PHYSICS **Volume:** 84 **Issue:** 11 **Article Number:** 116901 **DOI:** 10.1088/1361-6633/ac1b23 **Published:** NOV 2021  
**Language:** English  
**Document Type:** Review  
**ISSN:** 0034-4885  
**eISSN:** 1361-6633

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**Title:** Re-evaluation of Omega k of the normalised Friedmann-Lemaitre-Robertson-Walker model: Implications for Hubble constant determinations  
**Author(s):** Oztas, AM (Oztas, Ahmet M.); Smith, ML (Smith, Michael L.)  
**Source:** NEW ASTRONOMY **Volume:** 88 **Article Number:** 101609 **DOI:** 10.1016/j.newast.2021.101609 **Published:** OCT 2021  
**Language:** English  
**Document Type:** Article  
**ISSN:** 1384-1076  
**eISSN:** 1384-1092

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**Title:** Warm bounce in loop quantum cosmology and the prediction for the duration of inflation  
**Author(s):** Barboza, LN (Barboza, L. N.); Graef, LL (Graef, L. L.); Ramos, RO (Ramos, Rudnei O.)  
**Source:** PHYSICAL REVIEW D **Volume:** 102 **Issue:** 10 **Article Number:** 103521 **DOI:** 10.1103/PhysRevD.102.103521 **Published:** NOV 17 2020  
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**Title:** Cosmological perturbations for ultralight axionlike particles in a state of Bose-Einstein condensate

**Author(s):** Tsujikawa, S (Tsujikawa, Shinji)

**Source:** PHYSICAL REVIEW D **Volume:** 103 **Issue:** 12 **Article**

**Number:** 123533 **DOI:** 10.1103/PhysRevD.103.123533 **Published:** JUN 14 2021

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**Title:** SMBH seeds from dissipative dark matter

**Author(s):** Xiao, HY (Xiao, Huangyu); Shen, XJ (Shen, Xuejian); Hopkins, PF (Hopkins, Philip F.); Zurek, KM (Zurek, Kathryn M.)

**Source:** JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS **Issue:** 7 **Article Number:** 039 **DOI:** 10.1088/1475-7516/2021/07/039 **Published:** JUL 2021

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## 2.3 CAPITULOS DE INVESTIGACION ORIGINAL EN EXTENSO EN LIBROS ESPECIALIZADOS, PUBLICADOS POR UNA CASA EDITORIAL RECONOCIDA

- 2.3.1. **Tonatiuh Matos.** Harmonic Maps in Dilaton Gravity. In Field Theory, Integrable Systems and Symmetries by Faqir Khanna and Luc Vinet, Ed. Centre de Recherches Mathématiques, (1997), ISBN: 2-921120-29-1, p. 166-173.
- 2.3.2. **Tonatiuh Matos,** Francisco S. Guzmán, Luis Ureña and Darío Núñez. Scalar Field Dark Matter. In Exact Solutions and Scalar Fields in Gravity, by A. Macias, J. Cervantes and C. Lämmerzhals., Ed. Kluwer Academic (2001), ISBN: 0-306-46618-X, p. 166-184.

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**Title:** Probing the parameters of a Schwarzschild black hole surrounded by quintessence and cloud of strings through four standard astrophysical tests

**Author(s):** Cardenas, VH (Cardenas, Victor H.); Fathi, M (Fathi, Mohsen); Olivares, M (Olivares, Marco); Villanueva, JR (Villanueva, J. R.)

**Source:** EUROPEAN PHYSICAL JOURNAL C **Volume:** 81 **Issue:** 10 **Article Number:** 866 **DOI:** 10.1140/epjc/s10052-021-09654-z **Published:** OCT 2021

**Language:** English

**Document Type:** Article

**ISSN:** 1434-6044

**eISSN:** 1434-6052

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**Title:** Ultralight Axion Dark Matter and Its Impact on Dark Halo Structure in N-body Simulations

**Author(s):** Zhang, JJ (Zhang, Jiajun); Tsai, YLS (Tsai, Yue-Lin Sming); Kuo, JL (Kuo, Jui-Lin); Cheung, KM (Cheung, Kingman); Chu, MC (Chu, Ming-Chung)

**Source:** ASTROPHYSICAL JOURNAL **Volume:** 853 **Issue:** 1 **Article Number:** 51 **DOI:** 10.3847/1538-4357/aaa485 **Published:** JAN 20 2018

**Language:** English

**Document Type:** Article

**ISSN:** 0004-637X

**eISSN:** 1538-4357

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**Title:** Cosmic string spacetime in dilaton gravity and flat rotation curves

**Author(s):** Lee, TH (Lee, TH)

**Source:** MODERN PHYSICS LETTERS A **Volume:** 19 **Issue:** 39 **Pages:** 2929-2940 **DOI:** 10.1142/S0217732304016251 **Published:** DEC 21 2004

**Language:** English

**Document Type:** Article

**ISSN:** 0217-7323

eISSN: 1793-6632

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**Title:** Scalar-tensor gravity coupled to a global monopole and flat rotation curves

**Author(s):** Lee, TH (Lee, TH); Lee, BJ (Lee, BJ)

**Source:** PHYSICAL REVIEW D **Volume:** 69 **Issue:** 12 **Article**

**Number:** 127502 **DOI:** 10.1103/PhysRevD.69.127502 **Published:** JUN 2004

**Language:** English

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**Title:** Galactic dark matter as a bulk effect on the brane

**Author(s):** Bohmer, CG (Bohmer, C. G.); Harko, T (Harko, T.)

**Source:** CLASSICAL AND QUANTUM GRAVITY **Volume:** 24 **Issue:** 13 **Pages:** 3191-3209 **DOI:** 10.1088/0264-9381/24/13/004 **Published:** JUL 7 2007

**Language:** English

**Document Type:** Article

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