

Silva Bittencourt, Eduardo Henrique

Current position:

Adjoint Professor at UNIFEI

Previous Position:

Postdoctoral student at UNIFEI

Capes Postdoctoral Student International Center for Relativistic Astrophysics Network – ICRANet and University of Rome "Sapienza"



Outcome Institution:

Centro Brasileiro de Pesquisas Físicas – CBPF

Publications:

-) Bittencourt, Eduardo; Klippert, Renato ; Santos, Grasielle B. *Dynamical wormhole definitions confronted*. Classical and Quantum Gravity, v. 35, p. 155009, 2018.
-) Bittencourt, E.; De Lorenci, V.A. ; Klippert, R. ; Ruiz, L.S. *Effective acoustic geometry for relativistic viscous fluids*. Physical Review D, v. 98, p. 064042, 2018.
-) Bittencourt, Eduardo; Gomes, Leandro G ; Klippert, Renato. *Bianchi-I cosmology from causal thermodynamics*. Classical and Quantum Gravity (Print), v. 34, p. 045010, 2017.
-) Bittencourt, E.; Camargo, G. H. S. ; De Lorenci, V. A. ; Klippert, R. *Controlled opacity in a class of nonlinear dielectric media*. Physical Review A, v. 95, p. 033826, 2017.
-) Bini, Donato, Bittencourt, Eduardo, Geralico, Andrea, Jantzen, Robert T, *slicing black hole spacetimes*. International Journal of Geometric Methods in Modern Physics, Volume 12, Issue 7, id. 1550070, 2015. <http://adsabs.harvard.edu/abs/2015IJGMM..1250070B>
-) Bini, D.; Bittencourt, E.; Geralico, A.; *Massless Dirac particles in the vacuum C-metric*; accepted for publication in Classical and Quantum Gravity <http://adsabs.harvard.edu/abs/2015arXiv150904878B>, IF: 2.837
-) Carvalho, Gabriel G. ; Lobo, Jarley P. ; Bittencourt, Eduardo *Extended disformal approach in the scenario of rainbow gravity*, Physical Review D, v. 93, p. 044005, 2016; IF: 4.506. <https://journals.aps.org/prd/abstract/10.1103/PhysRevD.93.044005>
-) Bittencourt, E; Moschella, U. ; Novello, M. ; Toniato, J.'D. "More about scalar gravity" Physical Review D, v. 93, p. 124023, 2016 <https://journals.aps.org/prd/abstract/10.1103/PhysRevD.93.124023>; IF: 4.506.

-) Bittencourt, e; Pereira, Jonas P ; Smolyaninov, Igor I ; Smolyaninova, Vera N. "The flexibility of optical metrics" Classical and Quantum Gravity (Print), v. 33, p. 165008, 2016, IF: 2.837
<http://iopscience.iop.org/article/10.1088/0264-9381/33/16/165008>
-) Santos, G.B. ; Bittencourt, E ; Salim, J.M. "Scalar perturbations in a Friedmann-like metric with non-null Weyl tensor". Journal of Cosmology and Astroparticle Physics, v. 2015, p. 013-013, 2015, IF: 5.634
<http://iopscience.iop.org/article/10.1088/1475-7516/2015/06/013>
-) Bittencourt, Eduardo; Lobo, Jarley P ; Carvalho, Gabriel G . "On the disformal invariance of the Dirac equation" Classical and Quantum Gravity (Print), v. 32, p. 185016, 2015, IF: 2.837
<http://iopscience.iop.org/article/10.1088/0264-9381/32/18/185016>
-) Novello, Mario ; Bittencourt, Eduardo. "Metric Relativity and the Dynamical Bridge: Highlights of Riemannian Geometry in Physics" Brazilian Journal of Physics (Impresso), v. 45, p. 756-805, 2015.
<http://link.springer.com/article/10.1007/s13538-015-0362-7>, IF: 1.042

Meetings, conferences, seminars, schools:

2012 – Scientific visit to ICRANet

Zeldovich-100 Meeting, March 10-14, 2014, Minsk, Belarus - Subatomic particles, Nucleons, Atoms, Universe: Processes and Structure - International conference in honor of Ya. B. Zeldovich 100th Anniversary

Yerevan, Armenia - 1st Scientific ICRANet Meeting in Armenia: Black Holes: the largest energy sources in the Universe - 30 June - 4 July 2014

XIV Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation, and Relativistic Field Theory, 2015, July 12-18, Rome, Italy.

GR100 in Rio. Analogue models of gravity: now and then. 2015

Einstein's Legacy. 2015.

6th Young Researcher Meeting. 2015.

GrACo III - Third Argentinian-Brazilian Meeting. The many facets of disformal transformations. 2016

XVI Brazilian School of Cosmology and Gravitation. Wormhole definitions revisited. 2017.