Paulo Luz

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2023/2024	2º	Calculus Topics II	Bachelor Degree in Data Science (PL);	No
2023/2024	1º	Mathematics I	Bachelor Degree in Economics;	No
2023/2024	1º	Mathematics		No
2022/2023	2º	Calculus Topics II	Bachelor Degree in Data Science (PL); Bachelor Degree in Data Science;	Yes
2022/2023	1º	Mathematics and Numerical Methods for Economics and Finance I	Doctorate Degree (PhD) in Economics; Doctorate Degree (PhD) in Finance;	No
2022/2023	1º	Mathematics		No
2021/2022	2º	Calculus Topics II	Bachelor Degree in Data Science (PL); Bachelor Degree in Data Science;	No

2021/2022	1º	Mathematics		No
2020/2021	2º	Optimization		No
2020/2021	1º	Mathematics		No
2019/2020	2º	Calculus II		No

Total Citations

Web of Science®	97
Scopus	101

Publications

- **Scientific Journals**

- Scientific journal paper

1	Luz, P. & Lemos, J. P. S. (2023). Relativistic cosmology and intrinsic spin of matter: Results and theorems in Einstein-Cartan theory. Physical Review D. 107 (8) - Times Cited Web of Science®: 11 - Times Cited Scopus: 11 - Times Cited Google Scholar: 15
2	Lemos, J. P. S. & Luz, P. (2022). Bubble universes and traversable wormholes. Physical Review D. 105 (4) - Times Cited Web of Science®: 4 - Times Cited Scopus: 7 - Times Cited Google Scholar: 7
3	Lemos, J. P. S. & Luz, P. (2021). All fundamental electrically charged thin shells in general relativity: From star shells to tension shell black holes, regular black holes, and beyond. Physical Review D. 103 (10) - Times Cited Web of Science®: 13 - Times Cited Scopus: 14 - Times Cited Google Scholar: 18
4	Paulo Luz & Filipe C. Mena (2020). Singularity theorems and the inclusion of torsion in affine theories of gravity. Journal of Mathematical Physics. - Times Cited Web of Science®: 11 - Times Cited Scopus: 10 - Times Cited Google Scholar: 19
5	Paulo Luz, Filipe C. Mena & Amir Hadi Ziaie (2019). Influence of intrinsic spin in the formation of singularities for inhomogeneous effective dust space-times. Classical and Quantum Gravity. - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 6

6	Paulo Luz & Sante Carloni (2019). Static compact objects in Einstein-Cartan theory. Physical Review D. - Times Cited Web of Science®: 21 - Times Cited Scopus: 21 - Times Cited Google Scholar: 28
7	Paulo Luz & Vincenzo Vitagiano (2017). Raychaudhuri equation in spacetimes with torsion. Physical Review D. 96, 024021-024021 - Times Cited Web of Science®: 29 - Times Cited Scopus: 29 - Times Cited Google Scholar: 43
8	Paulo Luz & J.P.S. Lemos (2015). Newtonian wormholes with spherical symmetry and tidal forces on test particles. International Journal of Modern Physics D. 24 (9) - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 1
9	J.P.S. Lemos & Paulo Luz (2014). Newtonian wormholes. General Relativity and Gravitation. 46 (11) - Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Luz, P. (2017). Electrically charged tension shells. In Proceedings, 14th Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General; Relativity, Astrophysics, and Relativistic Field Theories; (MG14) (In 4 Volumes): Rome, Italy, July 12-18, 2015. (pp. 1641-1646). - Times Cited Scopus: 1 - Times Cited Google Scholar: 3
2	Luz, P. (2017). Particle dynamics in a Newtonian wormhole. In Proceedings, 14th Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General; Relativity, Astrophysics, and Relativistic Field Theories; (MG14) (In 4 Volumes): Rome, Italy, July 12-18, 2015. (pp. 1415-1420).

Professional Associations

Portuguese Society for Relativity and Gravitation (Since 2016)