

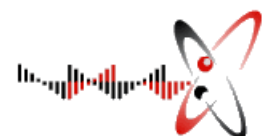
**LISTA ARTICOLELOR PUBLICATE
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Coordonator

1. Ciprian A. Sporea, "Scattering of massless fermions by Schwarzschild and Reissner-Nordstrom black holes", Chinese Physics C, Vol. **41**, no. 12 (2017) 123101.
2. C.A. Sporea, A. Borowiec and A. Wojnar, "Galaxy Rotation Curves via Conformal Factors", under review at EPJC. (arXiv:1705.04131).
3. Mihaela-Andreea Baloi, Cosmin Crucean, "Fermion production by a dependent of time electric field in de Sitter universe", trimisa spre publicare la Int. J. Mod. Phys. A.
4. I. I. Cotaescu, Phys. Rev. D 95 (2017) 104051
5. I. I. Cotaescu, Phys. Rev. D 96 (2017) 044046
6. I. I. Cotaescu, Eur. Phys. J. C 77 (2017) 485
7. I. I. Cotaescu, [arXiv:1705.07697](https://arxiv.org/abs/1705.07697)
8. I. I. Cotaescu, [arXiv:1708.06638](https://arxiv.org/abs/1708.06638)
9. I. I. Cotaescu, [arXiv:1709.00190](https://arxiv.org/abs/1709.00190).

Partener P1

1. R. Cimpoiu, *Generalized conditional symmetries, related solutions and conservation laws of the Grad-Shafranov equation with arbitrary flow*, J. Nonlinear Math. Phys, 2017, 24 (4), 531-544.
<http://www.tandfonline.com/doi/abs/10.1080/14029251.2017.1375689>.
2. R. Constantinescu, *New solutions of Dodd-Bullough-Mikhailov equation by using an improved tanh-method* a fost acceptata si a aparut pentru moment in format on-line in Romanian Reports in Physics, vol 69 (3) 2017, Article no. 112.
3. R. Cimpoiu, *On new traveling wave solutions and conserved densities for the 2D Ricci flow model* se află în formă revizuită (impusă prin recenzie) la Revista Analysis and Mathematical Physics.
4. Lungu, M. „Reduced-Order Multiple Observer for Takagi-Sugeno Systems with Unknown Inputs”. ISA Transactions (*ISI Journal*), ISSN: 0019-0578; *in recenzie*.
5. Lungu, M. „Design of Reduced-Order Multiple Observers for Uncertain Systems with Unknown Inputs”. Complexity Journal (*ISI Journal*), ISSN: 1076-2787; *in recenzie*.
6. Lungu, M. „State Estimation of the Controlled Generic Reentry Vehicles by using a Reduced-Order Multiple Observer”. 9th Vienna International Conference on Mathematical Modelling, February 21-23, 2018, Vienna, Austria; *in recenzie*.
7. Lungu, M., Lungu, R. „Design of Full-order Multiple Observers by using the Bass-Gura Formula”. 9th Vienna International Conference on Mathematical Modelling, February 21-23, 2018, Vienna, Austria; *in recenzie*.
8. Radu Constantinescu, Carmen Ionescu si Alina Streche, “Mathematical Methods in Nonlinear Dynamics” prezentata la “The Turkish Physical Society 33rd International Physics Conference”, 6-10 sept. 2017 (<http://tfd33.turkfizikdernegi.org/en/>)
9. Radu Constantinescu, Carmen Ionescu si Alina Streche, “Power law method for finding soliton solutions of



the 2+1 Ricci flow model”, prezentata la “The 9th Mathematical Physics Meeting: School and Conference in Modern Mathematical Physics” care s-a desfasurat intre 18-23 septembrie 2017 la Belgrad (<http://mphys9.ipb.ac.rs/index.php>)

Partener P2

1. Dissipative instabilities in a partially ionized prominence plasma slab: II. The effect of compressibility., J. F. Mather, I. Ballai, and R. Erdélyi (acceptată spre publicare în Astronomy & Astrophysics 2018).
2. Dissipative instabilities in a partially ionized prominence plasma slab: II. The effect of compressibility., J. F. Mather, I. Ballai, and R. Erdélyi (acceptată spre publicare în Astronomy & Astrophysics 2018).
3. Efectul câmpului magnetic local, al frecvenței de ciocnire intra și inter specii (atomi, ioni, electroni) și al forțelor stohastice asupra pragului de instalare a instabilității Kelvin-Helmholtz, A. Marcu, G. Mocanu, B. Dănilă (lucrare în curs de redactare).

