

Lista publicatiilor

Ioan Radu Peter

Articole cu fisier atasat:

- *Ioan Radu Peter*, A bound of the Finslerian Ricci scalar, Mediterranean Journal of Mathematics, in press,
<https://link.springer.com/article/10.1007%2Fs00009-018-1180-2>
- *Rodina, A., Wang, T., Yan, P., Gomes, E.D., Dunphy, M.P.S., Pillarsetty, N., Koren, J., Gerecitano, J.F., Taldone, T., Zong, H., Caldas-Lopes, E., Alpaugh, M., Corben, A., Riolo, M., Beattie, B., Pressl, C., Peter, R.I., Xu, C., Trondl, R., Patel, H.J., Shimizu, F., Bolaender, A., Yang, C., Panchal, P., Farooq, M.F., Kishinevsky, S., Modi, S., Lin, O., Chu, F., Patil, S., Erdjument-Bromage, H., Zanzonico, P., Hudis, C., Studer, L., Roboz, G.J., Cesarman, E., Cerchietti, L., Levine, R., Melnick, A., Larson, S.M., Lewis, J.S., Guzman, M.L., Chiosis, G.*, The epichaperome is an integrated chaperome network that facilitates tumour survival, *Nature*, 538 (7625), pp. 397-401.
- *Mihai Anastasiei, Ioan Radu Peter Laszlo Kozma*, Applications of Morse Index in Finsler Geometry, *Publicationes Mathematicae*, 57 (1-2), pp. 193-201. ISSN: 0033-3883
- *Marian D. , Peter I.R , Pinteá C.* Operations with monotone operators and the monotonicity of the resulting operators, (cu *Daniela Marian, Cornel Pinteá*), *Monatshefte für Mathematik*, 181(1), pp 143–168
- *Ioan Radu Peter, Cornel Pinteá*, Necessary conditions for finite critical sets. Maps with infinite critical sets, *Topological Methods in Nonlinear Analysis*, 47 (2), pp. 739-749.
- *Mihai Negru, Sergiu Nedevschi, Ioan Radu Peter*, Exponential Contrast Restoration in Fog Conditions for Driving Assistance, *IEEE Transactions on Intelligent Transportation Systems*, 16 (4), art. no. 7056488, pp. 2257-2268.
- *Marian, Daniela; Peter, Ioan Radu; Pinteá, Cornel*, A class of generalized monotone operators, *Journal of Mathematical Analysis and Applications*, 421 (2), pp. 1827-1843.
- *Anastasiei, Mihai; Peter, Ioan Radu*, A compactness theorem in Finsler geometry, *Publicationes Mathematicae*, 84 (1-2), pp. 75-88.

- *Peter Ioan Radu*, Some connectedness problems in positively curved Finsler manifolds, *Journal of Geometry and Physics*, 59 (1), pp. 54-62.
- *Kozma Laszlo, Ioan Radu Peter*, Weinstein's theorem for Finsler manifolds, *Kyoto Journal of Mathematics*, 46 (2), pp. 377-382.

Teza de doctorat: Generalizations of some results from Riemannian geometry to Finsler geometry, Babes Bolyai University, 2002,

Carti:

1. I. R. Peter, *Global aspects in Finsler geometry*, 2006 Mediamira
2. Ioan Radu Peter, Szilard Laszlo, Adrian Viorel *Elements of Linear Algebra*, cu, UTPress, U.T. PRESS Cluj-Napoca, 2014, ISBN 978-973-662-935-8

Articole in reviste ISI

1. *Ioan Radu Peter*, A bound of the Finslerian Ricci scalar, *Mediterranean Journal of Mathematics*, in press,
<https://link.springer.com/article/10.1007%2Fs00009-018-1180-2>*Mihai Anastasiei, Ioan Radu Peter Laszlo Kozma*, Applications of Morse Index in Finsler Geometry, *Publicationes Mathematicae*, 57 (1-2), pp. 193-201. ISSN: 0033-3883
2. *Rodina, A., Wang, T., Yan, P., Gomes, E.D., Dunphy, M.P.S., Pillarsetty, N., Koren, J., Gerecitano, J.F., Taldone, T., Zong, H., Caldas-Lopes, E., Alpaugh, M., Corben, A., Riolo, M., Beattie, B., Pressl, C., Peter, R.I., Xu, C., Trondl, R., Patel, H.J., Shimizu, F., Bolaender, A., Yang, C., Panchal, P., Farooq, M.F., Kishinevsky, S., Modi, S., Lin, O., Chu, F., Patil, S., Erdjument-Bromage, H., Zanzonico, P., Hudis, C., Studer, L., Roboz, G.J., Cesarman, E., Cerchietti, L., Levine, R., Melnick, A., Larson, S.M., Lewis, J.S., Guzman, M.L., Chiosis, G.*, The epichaperome is an integrated chaperome network that facilitates tumour survival, *Nature*, 538 (7625), pp. 397-401.
3. *Marian D. , Peter I.R , Pinteaa C.* Operations with monotone operators and the monotonicity of the resulting operators, (cu *Daniela Marian, Cornel Pinteaa*), *Monatshefte für Mathematik*, 181(1), pp 143–168
4. *Ioan Radu Peter, Cornel Pinteaa*, Necessary conditions for finite critical sets. Maps with infinite critical sets, *Topological Methods in Nonlinear Analysis*, 47 (2), pp. 739-

749.

5. *Mihai Negru, Sergiu Nedevschi, Ioan Radu Peter*, Exponential Contrast Restoration in Fog Conditions for Driving Assistance, *IEEE Transactions on Intelligent Transportation Systems*, 16 (4), art. no. 7056488, pp. 2257-2268.
6. *Marian, Daniela; Peter, Ioan Radu; Pinte, Cornel*, A class of generalized monotone operators, *Journal of Mathematical Analysis and Applications*, 421 (2), pp. 1827-1843.
7. *Anastasiu, Mihai; Peter, Ioan Radu*, A compactness theorem in Finsler geometry, *Publicationes Mathematicae*, 84 (1-2), pp. 75-88.
8. *Komal Jhaveri, Stefan O Ochiana, Mark PS Dunphy, John F Gericitano, Adriana D Corben, Radu I Peter, Yelena Y Janjigian, Erica M Gomes-DaGama, John Koren III, Shanu Modi, Gabriela Chiosis*. Heat shock protein 90 inhibitors in the treatment of cancer: current status and future directions, 23(5), pp. 611-628
9. *Peter, Ioan Radu; Popa, Dorian*, Stability of points in mean value theorems, *Publicationes Mathematicae*, 83 (3), pp. 375-384.
10. *Peter Ioan Radu*, Some connectedness problems in positively curved Finsler manifolds, *Journal of Geometry and Physics*, 59 (1), pp. 54-62.
11. *Kozma Laszlo, Ioan Radu Peter*, Weinstein's theorem for Finsler manifolds, *Kyoto Journal of Mathematics*, 46 (2), pp. 377-382.
12. *Kozma, László; Peter, Ioan Radu; Shimada, Hideo*, On the twisted product of Finsler manifolds, *Reports on Mathematical Physics*, 57 (3), pp. 375-383.
13. *Ioan Radu Peter*, On the Morse index theorem where the ends are submanifolds in Finsler geometry, *Houston Journal of Mathematics*, 32 (4), pp. 995-1009.
14. *Ioan Radu Peter*, Coincidence of correspondences in Kähler-Finsler manifolds, *Publicationes Mathematicae*, 61 (3-4), pp.

15. Kozma Laszlo, **Ioan Radu Peter**, Intersection theorems for Finsler manifolds , *Publicationes Mathematicae*, 57 (1-2), pp. 193-201.

Articole invitate:

16. A connectedness principle for positively curved Finsler manifolds, *Advanced Studies in Pure Mathematics, Mathematical Society of Japan (2007)* 111-125.

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17. Warped product of Finsler manifolds, (cu László Kozma and Csaba Varga), *Ann. Univ. Sci. Budapest* 44(2001), 157-170. MR1917709 (2003g:53025)
18. Polyholomorphic functions (cu Popa Dorian), *Automation Computer Science and Applied Mathematics* 10(1-2): 51-55, 2001.

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19. Doubly warped product of Finsler manifolds, (cu László Kozma and Csaba Varga), *Lagrange and Hamilton geometries and their applications*, editor Radu Miron, Fair Partners Publishers, Bucharest, 145-153, 2004 .

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20. Image Enhancement in Daytime Fog Conditions, *M Negru, S Nedevschi, R I Peter*, *Automation, Computers, Applied Mathematics (ACAM)*, 21(2), 129-136 (2012) .
21. Exponential image enhancement in daytime fog conditions, Mihai Negru, Sergiu Nedevschi, Radu Ioan Peter, 2014/10/, *Conference on Intelligent Transportation Systems (ITSC)*, 2014 IEEE 17th International, Pages 1675-1681
22. Interactive particle-based simulation of sociophysics models, *Adrian Sabou, Dorian Gorgan, Ioan Radu Peter*, 2014/9/4 *Intelligent Computer Communication and Processing (ICCP)*, 2014 IEEE International Conference on. Pages 411-416
23. MPI-Based Asynchronous Simulation of Spiking Neural Networks on the Grid, *Marius Joldos, Octavian Vinteler, Ioan Radu Peter, Ioan Lucian Munteanu*, 2013/9/23, *Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)*, 2013 15th International Symposium on, Pages 481-487
24. Distributed dynamics analysis of spiking neural network simulations, *Ioan Lucian Munteanu, Marius Joldos, Radu Ioan Peter*, 2012/10/25, *Tier 2 Federation Grid, Cloud & High Performance Computing Science (RO-LCG)*, 2012 5th Romania, pages 45-48

25. Dynamics Analysis of Parallel Simulations of the Spike Response Model, *Ioan Lucian Muntean, Radu Ioan Peter, Marius Joldos, 2012, (SYNASC), 2012 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 481 - 486*
26. PCA type algorithm applied in face recognition, *Sergiu Nedevschi, Ioan Radu Peter, Adina Mandrut, 2012 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Pages 167 - 171*
27. Performance prediction using Kernel Canonical Correlation Analysis, *Sergiu Nedevschi, Ioan Radu Peter, Adina Mandrut, 2011/8/25, Intelligent Computer Communication and Processing (ICCP), 2011 IEEE International Conference on , Pages 157-162*
28. An improved PCA type algorithm applied in face recognition, *Sergiu Nedevschi, Ioan Radu Peter, I-A Dobos, Cristina Prodan, 2010/8/26, Intelligent Computer Communication and Processing (ICCP), 2010 IEEE International Conference on, Pages 259-262*
29. Optical flow a combined local-global approach using L1 norm, *Marius Drulea, Ioan Radu Peter, Sergiu Nedevschi, 2010/8/26 Intelligent Computer Communication and Processing (ICCP), 2010 IEEE International Conference on, Pages 217-222*

Alte articole

30. Group actions, *(cu Adrian VasIU), Didactica Matematicii, 1989, vol. 5, p. 215-222 (in Romanian)*
31. . Triangular functions and applications *(in Romanian), Revista Matematică a elevilor din Timișoara, nr. 2, 1985, p. 1-6.*

Coautori: *László Kozma (Debrecen, Hungary), Hideo Shimada (Sapporo, Japan), Varga Csaba (Cluj Napoca, Romania), Popa Dorian (Cluj Napoca, Romania), Adrian VasIU (Princeton, US), Mihai Anastasiei (Iasi), Sergiu Nedevschi, Ioan Lucian Munteanu, Dorian Gorgan (Cluj Napoca, Romania), research group from Memorial Sloan Kettering Cancer Center (NY, US)*

Coautori studenti (master, doctorat): *Alexandra Dobos, Cristina Prodan, Adina Mandrut, Mircea Drulea, Mihai Negru, Adrian Sabou, Marius Joldos*

