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Optimization inside the General Efficiency

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Abstract

 \mathbf{I} his research work is concerned with the study of the General

Efficiency and Optimization. We present the Efficiency and Optimization University of Bacău in their most natural context offered by the Infinite Dimensional Ordered Vector Spaces, following our recent results on these subjects. Implications and Applications in Vector Optimization through of the agency of Isac's Cones and the new link between the General Efficiency and the Strong Optimization by the Full Nuclear Cones are presented. An important extension of our Coincidence Result between the Efficient Points Sets and the Choquet Boundaries is developed. In this way, the Efficiency is connected with Potential Theory by Optimization and conversely. Several pertinent references conclude this investigation.



Biography:

Professor VASILE POSTOLICĂ Romanian Academy of Scientists, "Vasile Alecsandri" University of Bacău Faculty of Sciences, Department of Mathematics & Informatics Professor, Gh.Asachi College Piatra Neamt, Romania, 1980-1991; professor, consultant expert, Didactic House, Piatra Neamt, since 1991; associate professor, Petre Andrei Academical Foundation, Piatra Neamt, since 1991; research professor Doctor of Philosophy, Bacau (Romania) State University, since 1994. Chief of department for improvement of professors Piatra Neamt, since 1991.



Speaker Publications:

1. Postolică V. – Isac's Cones in General Vector Spaces. Published as Chapter 121,

Category: Statistics, Probability, and Predictive Analytics, vol.3, p.1323-1342, in Encyclopaedia of Business Analytics and Optimization – 5 Vols. 2014.

2. Postolică V. – Efficiency and Vectorial Optimization. Session chair and expert speach

(Sunday, September 03) at the 5th International Multi – Disciplinary Conference organized by Institute of Research Engineers and Doctors - IRED, USA September 02 - 03, 2017, Zurich, Switzerland. Published in International Journal of Scientific and Innovative Mathematical Research (IJSIMR), Vol. 6, No. 2, p. 41 – 65, 2018.

http://dx.doi.org/10.20431/2347-3142.0602004.

3. Postolică V. – Optimality in Vector Spaces. Invited and presented research work at the 6th International Symposium on Computational and Business Intelligence Basel,

Switzerland (ISCBI 2018, August 27-29, 2018) inside the Session I"Intelligent Algorithm Design and Optimization "August 28, 2018: 02:15 p.m.-02:30 p.m. Official member of the International Program Committee at ISCBI 2018 and Chair of the Session IV"Advanced Information Technology and Applications" August 28, 2018: 03:45 p.m.-05:40 p.m.

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