Luka Neralić

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Doktor društvenih znanosti iz područja ekonomije, University of Zagreb, 1980.

Research interest: Data Envelopment Analysis (DEA), Linear Programming,
Parametric Programming, Multi-Objctive Programming, Sensitivity and Stability Analysis

Recent publications:

[1] J. Guddat, L. Neralić, O. Stein «*Sensitivity analysis of the proportionate change of a subset of outputs or/and inputs in DEA*», **Mathematical Communications 11**(2006), 187-201. Corrigendum, **Mathematical Communications 12**(2007), 133.
[2] L. Neralić «*Preservation of efficiency and inefficiency classification in data envelopment analysis*», **Mathematical Communications 9**(2004), 51-62.
[3]   L. Neralić, O. Stein «*On Regular and Parametric Data Envelopment Analysis*», **Mathematical Methods of Operations Research 60**(2004), 15-28.
[4] . L. Neralić, R. E. Wendell «*Sensitivity in Data Envelopment Analysis Using an Approximate Inverse Matrix*», **Journal of the Operational Research Society 55**(2004), 1187-1193.
[5]   D. Hunjet, M. Milinović, L. Neralić, L. Szirovicza «*Production-Transportation Problem and Its Extensions*», In**: Proceedings of the 9th International Conference on Operational Research,** (K. Šorić, T. Hunjak and R. Scitovski, eds.) Croatian Operational Research Society, Osijek, 2003, pp. 73 - 81.

Selected publications:

[1] A. Jess, H. Th. Jongen, L. Neralić, O. Stein, «*A Semi-Infinite Programming Model in Data Envelopment Analysis*», **Optimization**, Special Issue, Sixth International   Conference on Parametric Optimization and Related Topics (Dubrovnik, Croatia, October 4 - 8, 1999), (Guest Editors J. Guddat, H. Th. Jongen, L. Neralić and S. Zlobec), **49** (2001), 369-385.
[2] L. Neralić, R. E. Wendell, «*A Generalized Additive, Categorical Model in Data Envelopment Analysis*», **Top 8 (**2000), 235-263.
[3] L. Neralić, «*Sensitivity in Data Envelopment Analysis for Arbitrary Perturbations of Data*», **Glasnik Matematički 32** (1997) 315 - 335.
[4] L. Neralić, S. Zlobec, »*LFS Functions in Multi-Objective Programming*», **Applications of Mathematics 41** (1996), 347 - 366.
[5] A. Charnes, L. Neralić, ``*Sensitivity Analysis of the Additive Model in Data Envelopment Analysis*'', **European Journal of Operational Research 48** (1990), 332 - 341.