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Research interest: Inequalities in analysis and applications

## Recent publications:

- [1] A. Aglič Aljinović „*Approximations of the Mellin transform in the complex domain*“, **Advances in Pure and Applied Mathematics**, **5**, (2014), 3, 139-149
- [2] A. Aglič Aljinović „*Montgomery identity and Ostrowski type inequalities for Riemann-Liouville fractional integral*“, **Journal of Mathematics**, **2014**, (2014), 1-6
- [3] A. Aglič Aljinović, M. Krnić, J. Pečarić „*Weighted Montgomery identity for fractional integral of a function with respect to another function*“, **Georgian mathematical journal**, **21**, (2014), 1, 1-10
- [4] A. Aglič Aljinović, J. Pečarić, A. Perušić „*Generalizations of Steffensen's inequality via weighted Montgomery identity*“, **Mathematical inequalities & applications**, **17**, (2014), 779 -799
- [5] A. Aglič Aljinović, J. Pečarić, S. Tipurić-Spužević „*Weighted Ostrowski type inequalities for functions with one point of nondifferentiability*“, **Arab Journal of Mathematical Sciences**, **20**, (2014), **2**, 177-190

## Selected publications:

- [1] A. Aglič Aljinović, S. Kovač, J. Pečarić „*General weighted two-point Radau and Gauss and three-point Lobatto quadrature formulae for functions in  $L_p$  spaces*“, **Periodica mathematica Hungarica**, **66**, (2013), 1, 23-44
- [2] A. Aglič Aljinović, S. Kovač, J. Pečarić „*Error bounds for weighted 2-point and 3-point Radau and Lobatto quadrature rules for functions of bounded variation*“, **Mathematical and computer modeling**, **54**, (2011), 5/6, 1365-1379
- [3] A. Aglič Aljinović „*Error estimates for approximations of the Laplace transform of functions in  $L_p$  spaces*“, **The Australian journal of mathematical analysis and applications**, **8**, (2011), 1, 1-22
- [4] A. Aglič Aljinović, M. Matić, J. Pečarić „*Improvements of some Ostrowski type inequalities*“, **Journal of Computational Analysis and Application**, **7**, (2005), 3, 289-304
- [5] A. Aglič Aljinović, J. Pečarić „*Discrete Weighted Montgomery identity and discrete Ostrowski type inequalities*“, **Computers & Mathematics with Applications**, **48**, (2004), 731-745