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Research interest: Design theory;Group theory

Recent publications:

[1] S. Braić, J. Mandić, T. Vučičić: „*Primitive Block Designs with Automorphism Group PSL(2, q)*", **Glasnik Matematički**(2015).
[2] J. Mandić, M. Osvin Pavčević, K. Tabak: „*On difference sets in high exponent 2-groups*", **Journal of Algebraic Combinatorics 38**(2013), 785-795.
[3] S. Braić, A. Golemac, J. Mandić, T. Vučičić: „*Primitive Symmetric Designs with up to 2500 Points*", **Journal of Combinatorial Designs19** (2011), 463-474.
[4] S. Braić, A. Golemac, J. Mandić, T. Vučičić: „*Primitive symmetric designs with prime power number of points*", **Journal of Combinatorial Designs18** (2010), 141-153.
[5] S. Braić, A. Golemac, J. Mandić, T. Vučičić: „*Graphs and symmetric designs corresponding to difference sets in groups of order 96*", **Glasnik Matematički45**(2010), 1-14.

 Selected publications:

[1] A. Golemac, J. Mandić, T. Vučičić: „*On the existence of difference sets in groups of order 96*", **Discrete Mathematics307** (2007), 54-68.
[2] A. Golemac, J. Mandić, T. Vučičić: „*New regular partial difference sets and strongly regular graphs with parameters* (96,20,4,4) *and* (96,19,2,4)", **The Electronic Journal of Combinatorics 13** (2006), R88.
[3]S. Braić, A. Golemac, J. Mandić, T. Vučičić: „*Primitive Symmetric Designs with up to 2500 Points*", **Journal of Combinatorial Designs19** (2011), 463-474.
[4] V.Matijević, K.Eda, J.Mandić: „*Torus-like continua which are not self-covering spaces*", **Topology and its application153** (2005), 359-369.
[5] A. Golemac, J. Mandić, T. Vučičić: „*One* (96,20,4) *symmetric design and related nonabelian difference sets*", **Designs, Codes and Cryptography 37** (2005), 5-13.