

List of publications

1. L. Molnár and P. Szokol, *Maps on states preserving the relative entropy II*, Linear Algebra Appl., **432** (2010), 3343–3350.
2. L. Molnár, G. Nagy and P. Szokol, *Maps on density operators preserving quantum f -divergences*, Quantum Inf. Process. **12** (2013), 2309–2323.
3. M. Bessenyei, P. Szokol, *Convex separation by regular pairs*, J. Geom., **104** (2013), 45–56.
4. M. Bessenyei, P. Szokol, *Separation by convex interpolation families*, J. Convex Anal., **20** (2013), 937–946.
5. L. Molnár, P. Szokol, *Kolmogorov-Smirnov isometries of the space of generalized distribution functions*, Math. Slovaca, **64** (2014), 433–444.
6. L. Molnár, P. Szokol, *Transformations on positive definite matrices preserving generalized distance measures*, Linear Algebra Appl., **466** (2015), 141–159.
7. P. Szokol, M.-C. Tsai, J. Zhang, *Preserving problems of geodesic affine maps and related topics on positive definite matrices*, Linear Algebra Appl., **483** (2015), 293–308.
8. L. Molnár, P. Szokol, *Transformations preserving norms of means of positive operators and nonnegative functions*, Integr. Equ. Oper. Theory., to appear.
9. G. Dolinar, B. Kuzma, G. Nagy, P. Szokol, *Restricted skew-morphisms on matrix algebras*, Linear Algebra Appl., **490** (2016), 1–17.
10. H. Huang, C.-N. Liu, P. Szokol, M.-C. Tsai, J. Zhang, *Trace and determinant preserving maps of matrices*, Linear Algebra Appl., **507** (2016), 373–388.

Dissertation, thesis

1. P. Szokol *Preserver problems and separation theorems* (PhD), University of Debrecen, Doctoral School of Mathematical and Computational Sciences, 2016.

2. P. Szokol *Classical and quantum relative entropy* (MSC), University of Debrecen, Faculty of Science and Technology, Institute of Mathematics, 2010.
3. P. Szokol *Pozitív operátorokon értelmezett relatív entrópiát megőrző leképezések* (OTDK, special prize), College of Nyíregyháza, 2011.

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