

List of Publications

Papers

- [1] Brajerčík, J., Demko, M., Krupka D.: Principal bundle structure on jet prolongations of frame bundles, *Mathematica Slovaca*, 64 (2014), No. 5, 1277-1290.
- [2] Brajerčík, J., Demko, M.: On sheaf spaces of partially ordered quasigroups, *Quasigroups and Related Systems* 22 (2014), 51 – 58.
- [3] Brajerčík, J., Demko, M.: Second order natural Lagrangians on coframe bundles, *Miskolc Mathematical Notes*, 14 (2013), No.2, 487-494. HU ISSN 1787-2405
- [4] Demko, M.: Partially ordered quasigroups, *Southeast Asian Bulletin of Mathematics* 36 (5), (2012), 631–649.
- [5] Demko, M.: On congruences and ideals of partially ordered quasigroups. *Czechoslovak Math. J.*, 58 (133), No.3, (2008). 637 – 650.
- [6] Demko, M.: Products of partially ordered quasigroups. *Comment. Math. Univ. Carolin.* 49, 2 (2008) 209-217.
- [7] Demko, M.: Lexicographic product decompositions of half linearly ordered loops, *Czechoslovak Math.J.* 57, No. 2, (2007), 607-629.
- [8] Černák, Š., Demko, M.: Lexico extension and a cut completion of a half l-group, *Discussiones Mathematicae, General Algebra and Applications*, 22 (2002), 141-152.
- [9] Demko M.: On half linearly ordered quasigroups, *Acta Fac. Stud. Hum. et Nat. Univ. Prešovensis*, **39** (2002) 39-45.
- [10] Demko, M.: Lexicographic product decompositions of p.o. quasigroups, *Mathematica Slovaca*, (2001), 13-24.
- [11] Demko, M.: On half linearly ordered Moufang quasigroups with index 2, *Acta Fac. Stud. Hum. et Nat Univ. Prešovensis*, **34** (2000), 1-7.
- [12] Demko M.: On half partially ordered quasigroups, *Acta Fac. Stud. Hum. et Nat. Univ. Prešovensis*, **31** (1999), 1-9.

Dissertation

- [13] Demko, M.: Ordered quasigroups (in Slovak), PhD. thesis, Mathematical Institute, Slovak Academy of Sciences, Košice (2003).

Academics

- [14] Demko, M., Ivanegová, M.: Guide to the elementary theory of groups (in Slovak), Department of Mathematics FHPV PU Prešov (2005), 36 pp, ISBN: 80-8068-344-1.
- [15] Duplák, J. et al., Solved mathematical problems for the entrance tests (in Slovak), Department of Mathematics FHPV PU Prešov (2001), 94 pp, ISBN 80-8068-028-0.