Boris Širola

Professor, Dept. of Mathematics,
Univ. of Zagreb
PhD, Univ. Of Zagreb, 1996.

Research interest: Lie algebras, algebraic groups and their representation theory; Noncommutative algebra; Algebraic number theory.

Recent publications:

[1] B. Širola, *Distinguished nilpotent orbits, Kostant pairs and normalizers of Lie algebras,* J. Algebra **243** (2015), 636-682.
[2] B. Širola, *Compatible pairs of Borel subalgebras and shared orbit pairs,* J. Algebra **243** (2015), 726-766.
[3] B. Širola, *On Cartan subalgebras and Cartan subspaces of nonsymmetric pairs of Lie algebras,* Proc. Amer. Math. Soc.**141** (2013), 2233-2243.
[4] B. Širola, *On centralisers and normalisers for groups,* Bull. Austral. Math. Soc. **86** (2012), 481-494.
[5] B. Širola, *Normalizers and self-normalizing subgroups II,* Cent. Eur. J. Math. **9** (2011), 1317--1332.

Selected publications:

[1] B. Širola, *Pairs of Lie algebras and theirself-normalizing reductive subalgebras,* J. LieTheory **19** (2009), 735--766.
[2] B. Širola, *Pairs of semisimple Lie algebras and their maximal reductive subalgebras* , Algebr. Represent. Theory **11** (2008), 233--.250.
[3] B. Širola, *An nihilator primes and foundation primes,* Comm. Algebra **33**(2005), 2899--2920.
[4] B. Širola, *On noncommutative Noetherian schemes,* J. Algebra **282** (2004), 667--698.
[5] B. Širola, *On supports and associated primes of module soverthe enveloping algebras of nilpotent Lie algebras,* Trans. Amer. Math. Soc. **353** (2001), 2131--2170.