

Список публикаций Лопатина А.А.

Статьи

- (1) *On the nilpotency degree of the algebra with identity $x^n = 0$* , Journal of Algebra, **371** (2012), 350–366.
- (2) *Ортогональные матричные инварианты*, Фундаментальная и прикладная математика, **17** (2011/2012).
- (3) *Relations between $O(n)$ -invariants of several matrices*, Algebras and Representation Theory, **15** (2012), 855–882.
- (4) *Free relations for matrix invariants in the modular case*, Journal of Pure and Applied Algebra, **216** (2012), 427–437.
- (5) *Orthogonal invariants of skew-symmetric matrices*, Linear and Multilinear Algebra, **59** (2011), no. 8, 851–862.
- (6) *Minimal generating set for semi-invariants of quivers of dimension two*, Linear Algebra and its Applications, **434** (2011), no. 8, 1920–1944.
- (7) *On minimal generating systems for matrix $O(3)$ -invariants*, Linear and Multilinear Algebra, **59** (2011), no. 1, 87–99.
- (8) *Indecomposable invariants of quivers for dimension $(2, \dots, 2)$ and maximal paths, II*, Сибирские электронные математические известия, **7** (2010), 350–371.
- (9) *Indecomposable invariants of quivers for dimension $(2, \dots, 2)$ and maximal paths*, Communications in Algebra, **38** (2010), no. 10, 3539–3555.
- (10) *Invariants of quivers under the action of classical groups*, Journal of Algebra, **321** (2009), 1079–1106.
- (11) *On block partial linearizations of the pfaffian*, Linear Algebra and its Applications, **426/1** (2007), 109–129.
- (12) (with A.N. Zubkov) *Semi-invariants of mixed representations of quivers*, Transformation Groups, **12** (2007), no. 2, 341–369.
- (13) *Relatively free algebras with the identity $x^3 = 0$* , Communications in Algebra, **33** (2005), no. 10, 3583–3605.
- (14) *Кольцо инвариантов трех (3×3) матриц над полем положительной характеристики*, Сибирский математический журнал, **45** (2004), N 3, 624–633.
- (15) *The algebra of invariants of 3×3 matrices over a field of arbitrary characteristic*, Communications in Algebra, **32** (2004), no. 7, p. 2863–2883.

Препринты

- (16) *Matrix identities with forms*, submitted, <http://arxiv.org/abs/1204.5554>.

Другие публикации

- *Free relations for matrix invariants in modular case*, Max-Planck-Institut für Mathematik, Preprint Series (2010), no. 107, 15 pp.
- *Algebras of matrix invariants*, Stochastic Models in Biology and Limit Algebras, International Conference Proceedings, Omsk, Russia, (2010), 56–60.
- (with A.N. Zubkov) *Representations of quivers, their generalizations and invariants*, Вестник Омского гос. университета, Спец. выпуск, (2008), p. 9–24.
- (совместно с Э.Ю. Данияровой и В.М. Гичевым) *Геометрия систем корней*, учебное пособие, ОмГУ, 2003, 88 стр.
- *Некоммутативные инварианты над полем произвольной характеристики*, Вестник Омского гос. университета, **23** (2002), N 1, 19–21.