Publications

Alexandr Buryak

(1) A. Buryak, S. Shadrin, L. Spitz, D. Zvonkine. Integrals of ψ-classes over double ramification cycles. In preparation.

(2) A. Buryak, B. L. Feigin. Generating series of the Poincare polynomials of quasihomogeneous Hilbert schemes. arXiv:1206.5640. To be published in *Springer Proceedings in Mathematics and Statistics*.

(3) A. Buryak, B. L. Feigin. Homogeneous components in the moduli space of sheaves and Virasoro characters. *Journal of Geometry and Physics* 62 (2012), no. 7, 1652-1664.

(4) A. Buryak, H. Posthuma, S. Shadrin. On deformations of quasi-Miura transformations and the Dubrovin-Zhang bracket. *Journal of Geometry and Physics* 62 (2012), no. 7, 1639-1651.

(5) A. Buryak, H. Posthuma, S. Shadrin. A polynomial bracket for the Dubrovin-Zhang hierarchies. *Journal of Differential Geometry* (2012).

(6) A. Buryak. The moduli space of sheaves and the generalization of MacMahon's formula. arXiv:1101.0433. To be published in *Functional Analysis and Its Applications*.

(7) A. Buryak. The classes of the quasihomogeneous Hilbert schemes of points on the plane. *Moscow Mathematical Journal* 12 (2012), no. 1, 1-17.

(8) A. Buryak, S. Shadrin. A new proof of Faber's intersection number conjecture. *Advances in Mathematics* 228 (2011), 22-42.

(9) A. Buryak. Bott's residue formula for singular varieties. *TWMS Journal of Pure and Applied Mathematics* 2 (2011), no. 1, 17-21.

(10) A. Buryak. First nonzero terms for the Taylor expansion at 1 of the Conway potential function (Russian). *Vestnik Moskovskogo Universiteta. Seriya 1. Matematika. Mekhanika.* 2011. no. 1, 57-59.

(11) A. Buryak, S. Shadrin. A remark on deformations of Hurwitz Frobenius manifolds. *Letters in Mathematical Physics* 93 (2010), no. 3, 243-252.

(12) A. Buryak. Existence of a singular projective variety with an arbitrary set of characteristic numbers. *Mathematical Research Letters* 17 (2010), no. 3, 395-400.

(13) A. Buryak. The Poincare series of divisorial filtration associated with a curve with one branch at infinity. *Mathematical Notes* 87 (2010), no. 1-2, 52-58.