

List of papers

1. Peer-reviewed papers

- [1.1] H. Abe and T. Matsumura, “Schur polynomials and Weighted Grassmannians”, to appear in Journal of Algebraic Combinatorics.
- [1.2] H. Abe, “Young diagrams and intersection numbers for toric manifolds associated with Weyl chambers”, Electronic Journal of Combinatorics, **22(2)** (2015), #P2.4.
- [1.3] H. Abe, M. Harada, T. Horiguchi, and M. Masuda, “The equivariant cohomology rings of regular nilpotent Hessenberg varieties in Lie type A: Research Announcement”, Morfismos, Vol. **18**, No. 2, 2014, pp. 51-65.
- [1.4] H. Abe and S. Billey, Consequences of Lakshmibai-Sandhya Theorem: the ubiquity of permutation patterns in Schubert calculus and related geometry, to appear in Advanced Studies in Pure Mathematics.
- [1.5] H. Abe and T. Matsumura, “Equivariant cohomology of weighted Grassmannians and weighted Schubert classes”, Int. Math. Res. Not. **2015(9)**, (2015) 2499-2524.
- [1.6] H. Abe, “A convexity theorem for three tangled Hamiltonian torus actions, and super-integrable systems”, Differential Geom. Appl., 31 (2013), 577-593.

2. Research reports

- [2.1] H. Abe, “ルート系から定まるトーリック多様体上の交叉数とヤング図”, 数理解析研究所講究録 (2014), 1922: 78-83.
- [2.2] H. Abe, “ルート系から定まるトーリック多様体のコホモロジー環とヤング図”, 第61回トポロジーシンポジウム講演集, 2014年7月.
- [2.3] H. Abe, “重み付きグラスマンのシューベルトカルキュラスと対称多項式”, 数理解析研究所講究録 (2014), 1876: 33-38.
- [2.4] H. Abe, “A convexity theorem for three tangled Hamiltonian torus actions”, Trends in Mathematics - New Series, Information Center for Mathematical Sciences, vol. 12, No. 1, 2010 (Toric Topology Workshop KAIST 2010), 115-119.

3. Preprints

- [3.1] H. Abe and T. Horiguchi, “The torus equivariant cohomology rings of Springer varieties”, arXiv:1404.1217.