論文リスト

(1) 学位論文

学位論文名：
スプリンガー多様体と正則な冪零ヘッセンバーグ多様体の同変コホモロジー環
(Equivariant cohomology rings of Springer varieties and regular nilpotent Hessenberg varieties)
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(2) 原著論文 (査読有り)

（[7],[8] は印刷中）

[1] 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*, **18** (2014), No. 2, 51–65.

[2] M. Harada, T. Horiguchi, and M. Masuda, The equivariant cohomology rings of Peterson varieties in all Lie types. *Canad. Math. Bull.* **58** (2015), no. 1, 80–90.

[3] T. Horiguchi, The S^1-equivariant cohomology rings of $(n-k,k)$ Springer varieties, *Osaka J. Math.* **52** (2015), no. 4, 1051–1062.

[4] H. Abe, T. Horiguchi, The torus equivariant cohomology rings of Springer varieties, *Topology Appl.* **208** (2016), 143–159.

[5] T. Horiguchi, The cohomology rings of regular nilpotent Hessenberg varieties and Schubert polynomials, *Proc. Japan Acad. Ser. A Math. Sci.* **94** (2018), no. 9, 87–92.

[6] H. Abe, T. Horiguchi, and M. Masuda, The cohomology rings of regular semisimple Hessenberg varieties for $h=(h(1),n,\dots,n)$, *J. Comb.* **10** (2019), no. 1, 27–59.

[7] H. Abe, M. Harada, T. Horiguchi, and M. Masuda, The cohomology rings of regular nilpotent Hessenberg varieties in Lie type A. *Int. Math. Res. Not. IMRN.*, DOI: https://doi.org/10.1093/imrn/rnx275.

[8] T. Abe, T. Horiguchi, M. Masuda, S. Murai, and T. Sato, Hessenberg varieties and hyperplane arrangements, *to appear in J. Reine Angew. Math.*

(3) 原著論文 (査読無し)

[1] M. Harada, T. Horiguchi, M. Masuda, and S. Park, The volume polynomial of regular semisimple Hessenberg varieties and the Gelfand-Zetlin polytope, arXiv:1812.10112.