

List of publications and preprints

Shintarô Kuroki

1. PUBLISHED PAPERS and ACCEPTED PAPERS

- (1) Shintarô Kuroki: *On the construction of smooth $SL(m, \mathbb{H}) \times SL(n, \mathbb{H})$ -actions on $S^{4(m+n)-1}$* , Bull. Yamagata U., Yamagata, Japan (Natural Science) Vol. **15**, No. 3 Feb., 49–59 (2003).
- (2) Shintarô Kuroki: *On $SL(3, \mathbb{R})$ -action on 4-sphere*, J. of Fundamental and Applied Math. **11**, no. 5, 99–105 (2005)., translation in J. of Math. Sci. (N.Y.) **146**, no. 1, 5518–5522 (2007).
- (3) Shintarô Kuroki: *Classification of compact transformation groups on complex quadrics with codimension one orbits*, Osaka J. Math. Vol. **46**, no. 1, 21–85 (2009).
- (4) Shintarô Kuroki: *Characterization of homogeneous torus manifolds*, Osaka J. Math. Vol. **47**, no. 1, 285–299 (2010).
- (5) Shintarô Kuroki: *Operations on three dimensional small covers*, to appear in Chin. Ann. Math. **31** B (3), (2010).

2. PREPRINTS

- (6) Shintarô Kuroki: *Hypertorus graphs and graph equivariant cohomologies*.
- (7) Shintarô Kuroki: *Classification of quasitoric manifolds with codimension one extended actions*.
- (8) Shintarô Kuroki: *Classification of torus manifolds with codimension one extended actions*.
- (9) Suyoung Choi and Shintarô Kuroki: *Topological classification of torus manifolds which have codimension one extended actions*.
- (10) Shintarô Kuroki and Zhi Lü: *On projective bundles over small covers*.
- (11) Shintarô Kuroki: *Equivariant cohomological rigidity of toric hyperKähler manifolds*.
- (12) Shintarô Kuroki: *Cohomological rigidity of toric hyperKähler manifolds*.

3. PROCEEDINGS

- (1) Shintarô Kuroki: *Classification of compact transformation groups on complex quadrics with codimension one orbits*, RIMS kokyuroku **1343**, 10–24 (2003).
- (2) Shintarô Kuroki: *On the $SL(3, \mathbb{R})$ -action on 4-sphere*, RIMS kokyuroku **1393**, 79–81 (2004).
- (3) Shintarô Kuroki: *Classification of compact transformation groups on complex quadrics with codimension one orbits* (Japanese), the 2nd Kinosaki sinjin seminar proceedings 256–261 (2005).
- (4) Shintarô Kuroki: *Hypertorus graph and its equivariant cohomology* (Japanese), RIMS kokyuroku **1517**, 120–135 (2006).
- (5) Shintarô Kuroki: *Classification of compact group actions on torus manifolds which have codimension 0 or 1 orbits* (Japanese), Hokkaido university Technical report series in Math., Series #**117** The 3rd COE Conference for Young Researchers -CCYR3-, 177–184 (2007).

- (6) Shintarô Kuroki: *On transformation groups which act on torus manifolds*, Proc. of 34th Symposium on Transformation Groups, 10–26 (2007).
- (7) Shintarô Kuroki: *On transformation groups which act on torus manifolds* (Japanese), RIMS kokyuroku **1540**, 67–78 (2007).
- (8) Shintarô Kuroki: *On 8-manifolds with $SU(3)$ -actions*, RIMS kokyuroku **1569**, 81–93 (2007).
- (9) Shintarô Kuroki: *Remarks on McGavran's paper and Nishimura's result*, Trends in Math. Vol. **10** No. 1, 77–79 (2008).
- (10) Shintarô Kuroki: *Equivariant cohomology determines hypertoric manifold*, RIMS kokyuroku **1670**, 107–116 (2009).
- (11) Shintarô Kuroki: *Introduction to GKM theory*, Trends in Math. Vol. **11** No. 2, 85–102 (2009).
- (12) Shintarô Kuroki: *On projective bundles over small covers (survey)*, to appear in Bratislava Topology Symposium special proceedings-booklet.

4. OTHERS

- (1) Shintarô Kuroki: *Classification of Transformation groups*, Ph.D Thesis in Osaka City University, pp90 (2006).
- (2) Ikumitsu Nagasaki and Shintarô Kuroki (editors): RIMS Kokyuroku 1569 “The theory of transformation groups and its applications”, RIMS, Kyoto University, pp179 (2007).
- (3) Shintarô Kuroki: *Research on Toric Topology*, Postdoctor Research Working Report in Fudan University, pp131 (2009).