

論文リスト

雑誌掲載論文

1. “Seifert complex for links and 2-variable Alexander matrices”
Proceedings of Knots 96 edited by Shin’ichi Suzuki, World Scientific Publishing Co. (1997), p395-409.
2. “On 2-component links with trivial components”
The 5th Korea-Japan School of Knots and Links, Proceedings of Applied Mathematics Workshop, KAIST vol. 8 (1997), p71-93.
3. “Proper link, algebraically split link and Arf invariant” (joint work with Akira Yasuhara)
Journal of Mathematical Society of Japan, vol. 52, No.3 (2000), p591-608.
4. “Component-isotopy of Seifert complexes”
Journal of Knot Theory and its Ramifications, vol. 11, No.5 (2002),p683-700.
5. “Detecting non-triviality of virtual links”
Journal of Knot Theory and its Ramifications, vol. 12, No.6 (2003),p781-803.
6. “Some numerical invariants of flat virtual links are always realized by reduced diagrams”
Journal of Knot Theory and its Ramifications, vol. 15, No.3 (2006),p289-297.
7. “Reidemeister torsion and lens surgeries on knots in homology 3-spheres I”
Osaka Journal of Mathematics, vol 43, No.4 (2006), p823-837.
8. “Virtual crossing number of 2-component flat virtual links with the supporting genus one” (to appear in Journal of Knot Theory and its Ramifications)
9. “Reidemeister torsion and lens surgeries on $(-2, m, n)$ -pretzel knots” (joint work with Yuichi Yamada)
Kobe Journal of Mathematics, vol 23, No.1 (2006), p65-78.
10. “A deformation of the Alexander polynomials of knots yielding lens spaces” (joint work with Yuichi Yamada)
(to appear in Bulletin of Australian Mathematical Socociety, **75** (2007).)

学位論文

11. “Seifert complex Theory”
Doctoral thesis, Osaka City University (1998).

preprint

12. “Surface-homotopy of singular Seifert surfaces for knots” (preprint)
13. “Reidemeister torsion and lens surgeries on knots in homology 3-spheres II” (submitted)
14. “Computing the clasp number of knots” (preprint)
15. “A classification of closed 2-string virtual braids” (preprint)
16. “Connected sum and prime decomposition of virtual and flat virtual links” (preprint)
17. “Iwasawa type formula for covers of a link in a rational homology sphere” (joint work with Yasushi Mizusawa; submitted)
18. “On the Alexander polynomial satisfying Ozsváth-Szabó’s condition for lens surgery” (preprint)
19. “Lens surgeries and Diophantine equations” (preprint)
20. “Reidemeister torsion of Seifert fibered homology lens spaces and Dehn surgery” (preprint)
21. “Calculating the Casson-Walker invariants of cyclic branched coverings over knots yielding lens spaces” (preprint)
22. “An estimation of the C_k -unknotting number for a C_k -trivial link” (preprint)
23. “Seifert surgery along a knot whose Alexander polynomial is of degree two” (preprint)
24. “Reidemeister torsion and lens surgeries along 2-component links” (preprint)