

KAWAUCHI, Akio's Manuscript List

125. Ribbonness of a stable-ribbon surface-link.
124. Homological infinity of 4D universe for every 3-manifold.
123. Topology of a 4D universe for every 3-manifold.
122. Faithful equivalence of equivalent ribbon surface-links.
121. Complexities of a knitting pattern.
120. (with S. Kamada, J. Kim, and S. Y. Lee) Presentation of immersed surface-links by marked graph diagrams.
119. (with J. Kim) Immersed 2-knots with essential singularity.
118. (with K. Kaur, S. Kamada and M. Prabhacker) Generalized unknotting numbers of virtual knots.
117. (with A. Shimizu and Y. Yaguchi) Cross-index of a graph, *Kyungpook Math. J.*
116. Splitting criteria for a definite 4-manifold with infinite cyclic fundamental group.
115. (with A. Shimizu) On the orientations of monotone knot diagrams, *Journal of Knot Theory and Its Ramifications*, 26, No. 10 (2017), 1750053 (15 pages).
114. (with K. Kaur, S. Kamada and M. Prabhakar) Gauss diagrams, unknotting numbers and trivializing numbers of spatial graphs, *Topology and its Applications*, 230 (2017), 586-598.
113. On a cross-section of an immersed sphere-link in 4-space, *Topology and its Applications*, 230C (2017), 194-217.
112. (with Y. Joung, S. Kamada and S. Lee) Polynomial of an oriented surface-link diagram via A_2 invariant, *Topology and its Applications*, 231 (2017), 159-185.
111. (with I. Tayama) Representing 3-manifolds in the complex number plane, *Topology and its Applications*, 230C (2017), 425-443.
110. Supplement to a chord diagram of a ribbon surface-link, *Journal of Knot Theory and Its Ramifications* 26 (2017), 1750033 (5 pages).
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105. A chord diagram of a ribbon surface-link, *Journal of Knot Theory and Its Ramifications*, 24 (2015), 1540002 (24 pages).
104. Characteristic genera of closed orientable 3-manifolds, *Kyungpook Math. J.*, 55 (2015),

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103. On 4-dimensinal universe for every 3-dimensional manifold, *Topology and its Applications*, 196 (2015), 575-593. DOI:10.1016/j.topol.2015.05.035.
- 102 (with I. Tayama and B. Burton). Tabulation of 3-manifolds of lengths up to 10, *Topology and its Applications*, 196 (2015), 937-975. DOI:10.1016/j.topol.2015.05.036.
- 101 (with A. Shimizu). Quantization of the crossing number of a knot diagram, *Kyungpook Math. J.*, 55 (2015), 741-752.
- 100 (with A. Shimizu and K. Kishimoto). A game using knot theory, Japanese Patent Registration Number 5804412 (September 11, 2015).
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98. The Alexander polynomials of immersed concordant links, *Boletin de la Sociedad Matematica Mexicana*, 20 (2014) 559-578. DOI: 10.1007/s40590-014-0023-9.
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