

ACHIEVEMENT

NAOKI KITAZAWA (北澤直樹)

Refereed papers ("○" is for main achievements)

1. (Refereed) N. Kitazawa, *On round fold maps (in Japanese)*, RIMS Kokyuroku Bessatsu B38 (2013), 45–59.
2. (Refereed) N. Kitazawa, *Fold maps with singular value sets of concentric spheres*, Hokkaido Mathematical Journal Vol.43, No.3 (2014), 327–359.
- 3. (Refereed) N. Kitazawa, *Constructions of round fold maps on smooth bundles*, Tokyo J. of Math. Volume 37, Number 2 (2014), 385–403, arxiv:1305.1708.
- 4. (Refereed) N. Kitazawa, *On Reeb graphs induced from smooth functions on 3-dimensional closed orientable manifolds with finitely many singular values*, Topological Methods in Nonlinear Analysis Vol. 59 No. 2B (2022), 897–912, arXiv:1902:8841.
- 5. (Refereed) N. Kitazawa, *On Reeb graphs induced from smooth functions on closed or open surfaces*, Methods of Functional Analysis and Topology Vol. 28 No. 2 (2022), 127–143, arXiv:1908.04340.
- 6. (Refereed) N. Kitazawa and O. Saeki, *Round fold maps on 3-manifolds*, accepted for publication in Algebraic & Geometric Topology after a refereeing process and to appear, arXiv::2105.00974.
- 7. (Refereed) N. Kitazawa, *Real algebraic functions on closed manifolds whose Reeb graphs are given graphs*, a positive report for publication has been announced to have been sent and this will be published in Methods of Functional Analysis and Topology as "5." here, arXiv:2302.02339.
8. (Refereed) N. Kitazawa and O. Saeki, *Round fold maps of n -dimensional manifolds into \mathbb{R}^{n-1}* , J. of Singularities, Vol. 26 (2023), 1–12, arXiv:2111.15103.

Preprints (some selected ones)

1. N. Kitazawa, *Round fold maps and the topologies and the differentiable structures of manifolds admitting explicit ones (the title is changed from "On the homeomorphism and diffeomorphism types of manifolds admitting round fold maps")*, submitted to a refereed journal, arXiv:1304.0618.
2. N. Kitazawa, *Maps on manifolds onto graphs locally regarded as a quotient map onto a Reeb space and construction problem*, arxiv:1909.10315.
3. N. Kitazawa, *Notes on explicit smooth maps on 7-dimensional manifolds into the 4-dimensional Euclidean space*, submitted to a refereed journal, arxiv:1911.11274.
4. N. Kitazawa, *Explicit fold maps on 7-dimensional closed and simply-connected manifolds of new classes*, arxiv:2005.5281.
5. N. Kitazawa, *7-dimensional simply-connected spin manifolds whose integral cohomology rings are isomorphic to that of $\mathbb{C}P^2 \times S^3$ admit round fold maps*, submitted to a refereed journal, arxiv:2007.03474.

6. N. Kitazawa, *Closed manifolds admitting no special generic maps whose codimensions are negative and their cohomology rings*, submitted to a refereed journal, arxiv:2008.04226v5.
7. N. Kitazawa, *Notes on explicit special generic maps into Euclidean spaces whose dimensions are greater than 4*, a revised version is submitted based on positive comments (major revision) by referees and editors after the first submission to a refereed journal, arxiv:2010.10078.
8. N. Kitazawa, *Characterizing families of graph manifolds via suitable classes of simple fold maps into the plane and embeddability of Reeb spaces in some 3-dimensional manifolds*, arXiv:2107.08629.
9. N. Kitazawa, *On Reeb graphs induced from smooth functions on 3-dimensional closed manifolds which may not be orientable*, this is submitted to a refereed journal based on the second positive comment by editors and referees (major revision), arXiv:2108.01300.
10. N. Kitazawa, *Realization problems of graphs as Reeb graphs of Morse functions with prescribed preimages*, submitted to a refereed journal, arXiv:2108.06913.
11. N. Kitazawa, *Restrictions on special generic maps on 6-dimensional or higher dimensional closed and simply-connected manifolds*, submitted to a refereed journal, arxiv:2201.09437.
12. N. Kitazawa, *The 3-dimensional complex projective space admits no special generic maps*, submitted to a referred journal, arXiv:2202.00883.
13. N. Kitazawa, *Characterizing certain classes of 6-dimensional closed and simply-connected manifolds via special generic maps*, arxiv:2205.04048.
14. N. Kitazawa, *On the non-existence of special generic maps on complex projective spaces*, arxiv:2206.11500.
15. N. Kitazawa, *A class of naturally generalized special generic maps*, submitted to a refereed journal, arxiv:2212.03174.
16. N. Kitazawa, *A note on cohomological structures of special generic maps*, a revised version is submitted based on a positive comment by a referee (major revision) after the second submission to a refereed journal.