

Publication List

Martin Kerin

Refereed publications

- [1] J. DeVito, F. Galaz-García and M. Kerin, *Manifolds that admit a double disk-bundle decomposition*, Indiana Univ. Math. J. **72** (2023), 1503–1551
- [2] F. Galaz-García, M. Kerin and M. Radeschi, *Torus actions on rationally elliptic manifolds*, Math. Z. **297** (2021), 197–221
- [3] J. Harvey, M. Kerin and K. Shankar, *Semi-free actions with manifold orbit spaces*, Documenta Math. **25** (2020), 2085–2114
- [4] S. Goette, M. Kerin and K. Shankar, *Fake lens spaces and non-negative sectional curvature*, Differential Geometry in the Large, LMS Lecture Note Series (463), Cambridge Univ. Press, 2020, 285–290
- [5] S. Goette, M. Kerin and K. Shankar, *Highly connected 7-manifolds and non-negative sectional curvature*, Ann. of Math. **191** (2020), 829–892
- [6] F. Galaz-García, M. Kerin, M. Radeschi and M. Wiemeler, *Torus orbifolds, slice-maximal torus actions and rational ellipticity*, Int. Math. Res. Not. IMRN 2018, no. 18, 5786–5822
- [7] F. Galaz-García and M. Kerin, *Cohomogeneity-two torus actions on non-negatively curved manifolds of low dimension*, Math. Z. **276** (2014), 133–152
- [8] M. Kerin, *A note on totally geodesic embeddings of Eschenburg spaces into Bazaikin spaces*, Ann. Glob. Anal. Geom. **43** (2013), 63–73
- [9] M. Kerin and K. Shankar, *Riemannian submersions from simple, compact Lie groups*, Münster J. of Math. **5** (2012), 25–40
- [10] M. Kerin, *On the curvature of biquotients*, Math. Ann. **352** (2012), 155–178
- [11] M. Kerin, *Some new examples with almost positive curvature*, Geom. Top. **15** (2011), 217–260
- [12] J.-H. Eschenburg and M. Kerin, *Almost positive curvature on the Gromoll-Meyer sphere*, Proc. Amer. Math. Soc. **136** (2008), 3263–3270

Other publications

- [13] S. Goette, M. Kerin and K. Shankar, *Non-negative curvature and the linking form*, Oberwolfach Rep. **15** (2018), Geometrie, 1645–1647
- [14] S. Goette, M. Kerin and K. Shankar, *Non-negative sectional curvature on exotic 7-spheres*, Oberwolfach Rep. **13** (2016), Geometrie, 1587–1588
- [15] M. Kerin, *Construction of manifolds with non-negative curvature: Biquotients*, Notes from the summer school Técnicas modernas en Geometría Riemanniana, UNAM Mexico (2014), sites.google.com/a/ciencias.unam.mx/riemanniana/MexicoNotes.pdf
- [16] M. Kerin and D. Wraith, *Homogeneous metrics on spheres*, Irish Math. Soc. Bull. **51** (2003), 59–71

In preparation/submitted

- [17] M. Che, F. Galaz-García, M. Kerin and J. Santos-Rodríguez, *Isometric rigidity of metric constructions with respect to Wasserstein spaces*, preprint 2024, arXiv:2410.14648
- [18] S. Goette, M. Kerin and K. Shankar, *Highly connected 7-manifolds, the linking form and non-negative sectional curvature*, preprint 2020, arXiv:2003.04907
- [19] D. Corro, F. Galaz-García and M. Kerin, *Smooth 2-torus actions on the 5-sphere*, in preparation
- [20] J. DeVito, F. Galaz-García and M. Kerin, *Obstructions to double disk-bundle decompositions*, in preparation
- [21] J. DeVito and M. Kerin, *Rational spheres and double disk bundles*, in preparation