

論文リスト (List of Papers)

森本 真弘 (Masahiro Morimoto)

主論文 (Papers)

- [1] M. Morimoto, *On weakly reflective PF submanifolds in Hilbert spaces*, Tokyo J. Math. **44** (2021), no. 1, 103–124.
- [2] M. Morimoto, *Austere and arid properties for PF submanifolds in Hilbert spaces*, Differential Geom. Appl. **69** (2020), 101613, 24pp.
- [3] M. Morimoto, *On weakly reflective submanifolds in compact isotropy irreducible Riemannian homogeneous spaces*, Tokyo J. Math. **44** (2021), no. 2, 467–476.
- [4] M. Morimoto, *Curvatures and austere property of orbits of path group actions induced by Hermann actions*, Transform. Groups **29**, 1587–1621 (2024).
- [5] M. Morimoto, *The canonical isomorphism between path spaces and principal curvatures of PF submanifolds*, Tokyo J. Math, to appear.

プレプリント (Preprint)

- [6] M. Morimoto, *Non-existence of exceptional orbits under polar actions on Hilbert spaces*, arXiv:2307.02782.

準備中 (In preparation)

- [7] M. Morimoto, *The parallel transport map over affine symmetric space*, in preparation.

その他 (Misc)

- [1] M. Morimoto, *The heat operator of a transversally elliptic operator*, JP Journal of Geometry and Topology, Vol. **20**, Issue 4, 369–408 (2017).
- [2] 森本真弘, コンパクト・リー群の表現と横断的楕円型作用素, 研究集会「第14回城崎新人セミナー」報告集 (2017).
- [3] M. Morimoto, *The spectral properties of transversally elliptic operators and some applications*, Proceedings of The 21st International Workshop on Hermitian Symmetric Spaces and Submanifolds 21, 69–77 (2017).
- [4] 森本真弘, ヒルベルト空間の弱鏡映部分多様体について, 研究集会「部分多様体論・湯沢2018」報告集 (2018).
- [5] 森本真弘, ヒルベルト空間の弱鏡映部分多様体について, 研究集会「第2回数理新人セミナー」報告集 (2019).
- [6] 森本真弘, ヒルベルト空間の弱鏡映 PF 部分多様体について, 学会「第66回幾何学シンポジウム」予稿集 100 – 104 (2019).

- [7] 森本真弘, 対称性をもつ極小 PF 部分多様体について, 研究集会「部分多様体幾何とリー群作用 2019」予稿集 pp. 27 – 34 (2019). doi:10.24544/ocu.20200120-001
- [8] M. Morimoto, On the geometry of orbits of path group actions induced by Hermann actions, 部分多様体オンライン 2020, 報告集. doi: 10.24544/ocu.20200120-001
- [9] M. Morimoto, On minimal PF submanifolds in Hilbert spaces with symmetries, Report for the workshop: The 27th Osaka City University International Academic Symposium "Mathematical Science of Visualization, and Deepening of Symmetry and Moduli" OCAMI Reports, Vol. 1 (2021), 40–41. doi: 10.24544/ocu.20210605-001
- [10] M. Morimoto, Minimal PF submanifolds in Hilbert spaces with symmetries, Report for the workshop: Submanifolds of Symmetric Spaces and Their Time Evolutions OCAMI Reports, Vol. 2 (2021), 78–100 doi: 10.24544/ocu.20210605-002
- [11] M. Morimoto, On the converse problem for austere orbits of path group actions induced by Hermann actions, Proceedings of The 23rd International Differential Geometry Workshop on Submanifolds in Homogeneous Spaces & Related Topics 23 (2021), 157–165.
- [12] M. Morimoto, Submanifold geometry of orbits of polar actions on Hilbert spaces and its application, Proceedings of The 24th International Workshop on Differential Geometry & Related Fields 24(2023) 317–326.
- [13] M. Morimoto, Proper Fredholm submanifolds and affine Kac-Moody symmetric spaces, RIMS Kôkyûroku, No. 2278 (2024) 90–100.