

**Publication List
of Gudlaugur Thorbergsson**

1. Vierscheitelsatz auf Flächen nichtpositiver Krümmung. *Math. Z.* **149** (1976), 47–56.
2. Geschlossene Geodätische auf nichtkompakten Riemannschen Mannigfaltigkeiten. *Bonner Math. Schriften* **101** (1977). (Doctoral Dissertation.)
3. Closed geodesics on non-compact Riemannian manifolds. *Math. Z.* **159** (1978), 249–258.
4. Non-hyperbolic closed geodesics. *Math. Scand.* **44** (1979), 135–148.
5. (with W. Ballmann and W. Ziller) Closed geodesics and the fundamental group. *Duke Math. J.* **48** (1981), 585–588.
6. (with W. Ballmann and W. Ziller) Closed geodesics on positively curved manifolds. *Ann. Math.* **116** (1982), 213–247.
7. (with W. Ballmann and W. Ziller) Existence of closed geodesics on positively curved manifolds. *J. Differential Geometry* **18** (1983), 221–252.
8. (with W. Ballmann and W. Ziller) On the existence of short closed geodesics and their stability properties. *Seminar on minimal submanifolds*, pp. 53–63. *Annals of Math. Studies* **103**. Princeton University Press, Princeton, N.J., 1983.
9. (with W. Ballmann and W. Ziller) Some existence theorems for closed geodesics. *Comment. Math. Helvetici* **58** (1983), 416–432.
10. Dupin hypersurfaces. *Bull. London Math. Soc.* **15** (1983), 493–498.
11. Highly connected taut submanifolds. *Math. Ann.* **265** (1983), 399–405.
12. Tight and taut immersions of highly connected manifolds. *Proceedings of the Nineteenth Nordic Congress of Mathematicians 1984*, pp. 251–254. Icelandic Mathematical Society, Reykjavík, 1985.
13. Geometrie hochzusammenhängender Untermannigfaltigkeiten. *Bonner Math. Schriften* **170** (1986). (Habilitationsschrift.)
14. Straffe Untermannigfaltigkeiten in konvexen Hyperflächen. *manuscripta math.* **54** (1985), 1–15.
15. Tight immersions of highly connected manifolds. *Comment. Math. Helvetici* **61** (1986), 102–121.
16. (with M.P. do Carmo and J. de M. Gomes) The influence of the boundary behavior on hypersurfaces with constant mean curvature in H^{n+1} . *Comment. Math. Helvetici* **61** (1986), 429–441.
17. (with M. Dajczer) Holomorphicity of minimal submanifolds in complex space forms. *Math. Ann.* **277** (1987), 353–360.
18. Homogeneous spaces without taut embeddings. *Duke Math. J.* **57** (1988), 347–355.
19. (with U. Pinkall) Taut 3-manifolds. *Topology* **28** (1989), 389–401.
20. (with U. Pinkall) Deformations of Dupin hypersurfaces. *Proc. Amer. Math. Soc.* **107** (1989), 1037–1043.
21. Isoparametric submanifolds. *Note di Matematica* **9** (1989), pp. 33–38.
22. (with U. Pinkall) Examples of infinite dimensional isoparametric submanifolds. *Math. Z.* **205** (1990), 279–287.

23. Tight analytic surfaces. *Topology* **30** (1991), 423–428.
24. (with E. Heintze and C. Olmos) Submanifolds with constant principal curvatures and normal holonomy groups. *International J. Math.* **2** (1991), 167–175.
25. Isoparametric submanifolds and their buildings. *Ann. Math.* **133** (1991), 429–446.
26. Clifford algebras and polar planes. *Duke Math. J.* **67** (1992), 627–632.
27. (with E. Heintze, R. Palais and C.-L. Terng) Hyperpolar actions and k -flat homogeneous spaces. *J. reine angew. Math.* **454** (1994), 163–179.
28. (with E. Heintze, R. Palais and C.-L. Terng) Hyperpolar Actions on Symmetric Spaces. *Geometry, Topology and Physics for Raoul Bott*, pp. 214–245. International Press, Singapore, 1995.
29. (with C.-L. Terng) Submanifold Geometry in Symmetric Spaces. *J. Differential Geometry* **42** (1995), 665–718.
30. (with S. Console) Geometric characterizations of orthogonal representations. In: *Geometry and Topology of Submanifolds, VIII*, pp. 74–84. World Scientific, Singapore, 1996.
31. (with C.-L. Terng) Taut immersions into complete Riemannian manifolds. In: *Taut and tight submanifolds*, pp. 181–228. Mathematical Sciences Research Institute Publications **32**. Cambridge University Press, Cambridge, 1997.
32. Smooth tight immersions. *Jber. d. Dt. Math.-Verein.* **100** (1998), 23–35.
33. (with M. Umehara) A unified approach to the four vertex theorems II. *Amer. Math. Soc. Transl.* **190** (1999), 229–252.
34. (with F. Podestà) Polar actions on rank one symmetric spaces. *J. Differential Geom.* **53** (1999), 131–175.
35. A survey on isoparametric hypersurfaces and their generalizations. *Handbook of Differential Geometry, Vol. 1*, 963–995. Elsevier Science, Amsterdam, 2000.
36. (with C.-L. Terng) Completely integrable curve flows on adjoint orbits. *Result. Math.* **40** (2001), 286–309.
37. *Geometry of submanifolds in Euclidean spaces. Textos de Matemática. Série B*, **31**. Departamento de Matemática, Faculdade de Ciências e Tecnologia da Universidade de Coimbra, Coimbra, Portugal 2001.
38. (with F. Podestà) Polar and coisotropic actions on Kähler manifolds. *Trans. Amer. Math. Soc.* **354** (2002), 1759–1781.
39. (with C. Gorodski) Cycles of Bott-Samelson type for taut representations. *Ann. of Global Anal. and Geom.* **21** (2002), 287–302.
40. (with M. Umehara) Sextactic points on a simple closed curve. *Nagoya Math. J.* **167** (2002), 55–94.
41. (with C. Gorodski) Variationally complete actions on compact symmetric spaces. *J. Differential Geom.* **62** (2002), 39–48
42. (with F. Podestà) Coisotropic actions on compact homogeneous Kähler manifolds. *Math. Z.* **243** (2003), 471–490.
43. (with C. Gorodski) The classification of taut irreducible representations. *J. Reine Angew. Math.* **555** (2003), 187–235.
44. (with M. Umehara) A global theory of flexes of periodic functions. *Nagoya Math. J.* **173** (2004), 85–138.

45. Transformation groups and submanifold geometry. *Rend. Mat. Appl.* **25** (2005), 1–16. Reprinted in: *Rend. Accad. Naz. Sci. XL Mem. Mat. Appl.* 125° (2009), Vol. XXXI, fasc. 1, 141–154.
46. (with A. Lytchak) Variationally complete actions on nonpositively curved manifolds. *Illinois J. Math.* **51** (2007) 605–615.
47. (with O. Goertsches) On the geometry of the orbits of Hermann actions. *Geom. Dedicata* **129** (2007), 101–118.
48. (with M. Umehara) Inflection points and double tangents on anti-convex curves in the real projective plane. *Tohoku Math. J.* **60** (2008), 149–181.
49. (with S. Klein and L. Verhóczy) On the Funk transform on compact symmetric spaces. *Publ. Math. Debrecen* **75** (2009), 485 – 493.
50. Singular Riemannian foliations and isoparametric submanifolds. *Milan J. Math.* **78** (2010), 355–370.
51. (with A. Lytchak) Curvature explosions in quotients and applications. *J. Differential Geometry* **85** (2010), 117 – 139.
52. (with M. Umehara) A refinement of Foreman’s four vertex theorem and its dual version. *Kyoto J. Math.* **52** (2012), 743758.
53. (with S. Console and A. Fino) Composition algebras and Cartan’s isoparametric hypersurfaces. In: *Pure and Applied Differential Geometry PADGE 2012*, 99–107. Shaker Verlag, Aachen, 2013.
54. Classical symmetric R -spaces. *Rendiconti Seminario Matematico Univ. Pol. Torino. Workshop for Sergio Console.* **74** (2016), 329 – 354.
55. (with F. Fang and K. Grove) Rank three geometry and positive curvature. *Comm. Anal. Geom.* **24** (2016), 487–520.
56. (with F. Fang and K. Grove) Tits geometry and positive curvature. *Acta Math.* **218** (2017), 1–53.
57. Sesquilinear forms and symmetric spaces. *Geometry of submanifolds*, 229–239, *Contemp. Math.*, **756**, Amer. Math. Soc., 2020.
58. From isoparametric submanifolds to polar foliations. *São Paulo Journal of Mathematical Sciences*. Online 2022.