

LIST OF PUBLICATIONS

Books in international publishers

1. I. Graham, **G. Kohr**, *Geometric Function Theory in One and Higher Dimensions*, Marcel Dekker Inc., New York, Basel, 2003, 530 pp.
ISBN 0-8247-0976-4.

Books in Romanian publishers

1. **G. Kohr**, *Basic Topics in Holomorphic Functions of Several Complex Variables*, Cluj University Press, 2003, 195 pp.
ISBN 973-610-223-8
2. **G. Kohr**, P. Liczberski, *Univalent Mappings of Several Complex Variables*, Cluj University Press, 1998, 334 pp.
ISBN 973-9354-29-7.

Textbooks

1. **G. Kohr**, P.T. Mocanu, *Special Chapters of Complex Analysis*, Cluj University Press, 2005, 267 pp. (in Romanian)
ISBN 973-610-387-0.

Relevant scientific papers (selective list)

ISI publications

1. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Loewner PDE in Infinite Dimensions*, [Computational Methods and Function Theory](#), 25 (2025), 151–171.
2. H. Hamada, **G. Kohr**, *The Loewner PDE, inverse Loewner chains and nonlinear resolvents of the Carathéodory family in infinite dimensions*, [Annali della Scuola Normale Superiore di Pisa, Classe di Scienze](#), Vol. XXIV (2023), No. 4, 2431–2475.
3. H. Hamada, **G. Kohr**, M. Kohr, *Fekete-Szegő problem for univalent mappings in one and higher dimensions*, [J. Math. Anal. Appl.](#), 516 (2022), 126526.
4. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *g-Loewner chains, Bloch functions and extension operators into the family of locally biholomorphic mappings in infinite dimensional spaces*, [Stud. Univ. Babeş-Bolyai Math.](#), 67 (2022), No. 2, 219–236.
5. H. Hamada, M. Iancu, **G. Kohr**, *Runge pairs of Φ -like domains*, [Stud. Univ. Babeş-Bolyai Math.](#), 67 (2022), No. 2, 237–250.
6. H. Hamada, **G. Kohr**, M. Kohr, *The Fekete-Szegő problem for starlike mappings and nonlinear resolvents of the Carathéodory family on the unit balls of complex Banach spaces*, [Analysis and Mathematical Physics](#), 2021, **11:115** (2021), 1–22.
7. H. Hamada, **G. Kohr**, *A rigidity theorem at the boundary for holomorphic mappings with values in finite dimensional bounded symmetric domains*, [Mathematische Nachrichten](#), 294 (2021), 2151–2159.
8. H. Hamada, M. Iancu, **G. Kohr**, *A survey on Loewner chains and related problems for bounded balanced pseudoconvex domains in \mathbb{C}^n* , [Mathematical Reports](#), 23 (73) (2021), 55–73.

9. H. Hamada, M. Iancu, **G. Kohr**, *A survey on Loewner chains, approximation results, and related problems for univalent mappings on the unit ball in \mathbb{C}^n* , [Rev. Roumaine Math. Pures Appl.](#), 66 (2021), 709–723.
10. I. Graham, H. Hamada, **G. Kohr**, *Loewner chains and nonlinear resolvents of the Carathéodory family on the unit ball in \mathbb{C}^n* , [J. Math. Anal. Appl.](#), 491 (2020), 124289.
11. H. Hamada, **G. Kohr**, *Support points for families of univalent mappings on bounded symmetric domains*, [Science China Math.](#), 63 (2020), 2379–2398; <https://doi.org/10.1007/s11425-019-1632-1>.
12. H. Hamada, M. Iancu, **G. Kohr**, *Spiralshapelike mappings in several complex variables*, [Annali di Matematica Pura ed Applicata](#), 199 (2020), 2181–2195; <https://doi.org/10.1007/s10231-020-00963-w>.
13. I. Graham, H. Hamada, **G. Kohr**, *A Schwarz lemma at the boundary on complex Hilbert balls and applications to starlike mappings*, [J. Analyse Math.](#), 140 (2020), 31–53.
14. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *g -Loewner chains, Bloch functions and extension operators in complex Banach spaces*, [Analysis and Mathematical Physics](#), 10:5 (2020), 28 pp. doi.org/10.1007/s13324-019-00352-4.
15. I. Graham, H. Hamada, **G. Kohr**, *Loewner chains, Bloch mappings and Pfaltzgraff-Suffridge extension operators on bounded symmetric domains*, [Complex Variables and Elliptic Equations](#), 65 (2020), 57–73.
16. H. Hamada, **G. Kohr**, *A boundary Schwarz lemma for mappings from the unit polydisc to irreducible bounded symmetric domains*, [Mathematische Nachrichten](#), 293 (2020), 1345–1351.
17. C.H. Chu, H. Hamada, T. Honda, **G. Kohr**, *Bloch space of a bounded symmetric domain and composition operators*, [Complex Analysis and Operator Theory](#), 13 (2019), 479–492.
18. H. Hamada, M. Iancu, **G. Kohr**, *Approximation of univalent mappings by automorphisms and quasiconformal diffeomorphisms in \mathbb{C}^n* , [J. Approx. Theory](#), 240 (2019), 129–144.
19. H. Hamada, **G. Kohr**, *α -Bloch mappings on bounded symmetric domains in \mathbb{C}^n* , [Complex Analysis and Operator Theory](#), 12 (2018), 509–527.
20. H. Hamada, M. Iancu, **G. Kohr**, S. Schleissinger, *Approximation properties of univalent mappings on the unit ball in \mathbb{C}^n* , [J. Approx. Theory](#), 226 (2018), 14–33.
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25. C.H. Chu, H. Hamada, T. Honda, **G. Kohr**, *Distortion of locally biholomorphic Bloch mappings on bounded symmetric domains*, [J. Math. Anal. Appl.](#), 441 (2016), 830–843.
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27. H. Hamada, M. Iancu, **G. Kohr**, *Extremal problems for mappings with generalized parametric representation in \mathbb{C}^n* , [Complex Analysis and Operator Theory](#), 10 (2016), 1045–1080.
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29. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Extremal properties associated with univalent subordination chains in \mathbb{C}^n* , [Mathematische Annalen](#), 359 (2014), 61–99.
30. M. Chuaqui, H. Hamada, R. Hernández, **G. Kohr**, *Pluriharmonic mappings and linearly connected domains in \mathbb{C}^n* , [Israel J. Math.](#), 200 (2014), 489–506.
31. I. Graham, H. Hamada, T. Honda, **G. Kohr**, K.H. Shon, *Growth, distortion and coefficient bounds for Carathéodory families in \mathbb{C}^n and complex Banach spaces*, [J. Math. Anal. Appl.](#), 416 (2014), 449–469.
32. H. Hamada, T. Honda, **G. Kohr**, K.H. Shon, *A note on strongly starlike mappings in several complex variables*, [Abstract Appl. Anal.](#), Vol. 2014 (2014), Article ID 265718, 4 pp.; Impact factor/2013: 1.274.
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37. H. Hamada, **G. Kohr**, *Univalence criterion and quasiconformal extension of holomorphic mappings*, [Manuscripta Math.](#), 141 (2013), 195–209.
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44. P. Duren, H. Hamada, **G. Kohr**, *Two-point distortion theorems for univalent harmonic and pluriharmonic mappings*, [Trans. Amer. Math. Soc.](#), 363 (2011), 6197–6218.
45. P. Duren, I. Graham, H. Hamada, **G. Kohr**, *Solutions for the generalized Loewner differential equation in several complex variables*, [Mathematische Annalen](#) 347 (2010), 411–435.

46. C.H. Chu, H. Hamada, T. Honda, **G. Kohr**, *Distortion theorems for convex mappings on homogeneous balls*, [J. Math. Anal. Appl.](#), 369 (2010), 437–442.
47. H. Hamada, **G. Kohr**, *On some classes of bounded univalent mappings in several complex variables*, [Manuscripta Math.](#), 131 (2010), 487–502.
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50. I. Graham, H. Hamada, **G. Kohr**, J.A. Pfaltzgraff, *Convex subordination chains in several complex variables*, [Canadian J. Math.](#), 61 (2009), 566–582.
51. H. Hamada, T. Honda, **G. Kohr**, *Bohr’s theorem for holomorphic mappings with values in homogeneous balls*, [Israel J. Math.](#), 173 (2009), 177–187.
52. C.H. Chu, H. Hamada, T. Honda, **G. Kohr**, *Starlike and convex mappings on infinite dimensional domains*, [Math. Nachr.](#), 282, No. 2 (2009), 160–168.
53. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Parametric representation and asymptotic starlikeness in \mathbb{C}^n* , [Proc. Amer. Math. Soc.](#), 136 (2008), 3963–3973.
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55. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Spirallike mappings and univalent subordination chains in \mathbb{C}^n* , [Annali della Scuola Normale Superiore di Pisa, Classe di Scienze](#), 7 (2008), 717–740.
56. P. Curt, **G. Kohr**, *Some remarks concerning quasiconformal extensions in several complex variables*, [J. Inequalities Appl.](#), Volume 2008, Article ID 690932, 16 pages.
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65. H. Hamada, **G. Kohr**, *Simple criteria for strongly starlikeness and starlikeness of certain order*, *Math. Nachr.*, 254/255 (2003), 165–171.
66. I. Graham, **G. Kohr**, M. Kohr, *Loewner chains and parametric representation in several complex variables*, *J. Math. Anal. Appl.*, 281 (2003), 425–438.
67. I. Graham, H. Hamada, **G. Kohr**, T. Suffridge, *Extension operators for locally univalent mappings*, *Michigan Math. J.*, 50 (2002), 37–55.
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Chapters/articles in books/proceedings

1. I. Graham, H. Hamada, **G. Kohr**, *Extremal problems for mappings with g -parametric representation on the unit polydisc in \mathbb{C}^n* . In: *Complex Analysis and Dynamical Systems* (eds. M. Agranovsky et al.), Birkhäuser's series Trends in Mathematics, 2018, 143–169.
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4. I. Graham, H. Hamada, **G. Kohr**, *Extremal problems and g -Loewner chains in \mathbb{C}^n and reflexive complex Banach spaces*. In: *Topics in Mathematical Analysis and Applications* (eds. T.M. Rassias and L. Toth), Springer vol. 94 (2014), 387–418.
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8. **G. Kohr**, *Biholomorphic mappings and parametric representation in several complex variables*, In: *Proceedings of 3rd International ISAAC Congress*, Berlin 2001, World Sci. Publ., 2003, 199–206. ISBN 981-238-572-X.
9. H. Hamada, **G. Kohr**, *Univalent C^1 mappings on the unit ball of \mathbb{C}^n* , In: *Finite or Infinite Dimensional Complex Analysis*, Lecture Notes in Pure and Appl. Math., 214, Marcel Dekker, (ed. J. Kajiwara), 2000, 125-132. ISBN 0-8247-0442-8.
10. H. Hamada, **G. Kohr**, *The growth of spirallike mappings*, In: *Proceedings of the Second ISAAC Congress, Vol. 1* (Fukuoka, 1999), 231–236, Int. Soc. Anal. Appl. Comput., 7, Kluwer Acad. Publ., Dordrecht, 2000.

Other papers in international journals indexed in data bases
(selective list)

1. I. Graham, **G. Kohr**, J.A. Pfaltzgraff, *Growth and two-point distortion for biholomorphic mappings of the ball*, *Complex Variables and Elliptic Equations*, 52(2007), 211-223.
2. H. Hamada, **G. Kohr**, M. Kohr, *Parametric representation and extension operators for biholomorphic mappings on some Reinhardt domains*, *Complex Variables Theory Appl.*, 50(2005), 507-519.
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10. H. Hamada, **G. Kohr**, *Linear invariance of locally biholomorphic mappings in Hilbert spaces*, *Complex Variables Theory Appl.*, 47(2002), 277-289.
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16. H. Hamada, **G. Kohr**, P. Liczberski, *Starlike mappings of order α on the unit ball in complex Banach spaces*, *Glasnik Matem.*, Ser. III, 36(56)(2001), 39-48.
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27. **G. Kohr**, *Some sufficient conditions of starlikeness for mappings of C^1 class*, Complex Variables, 36(1998), 1-9.
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