

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. **F. Bracci, I. Graham, H. Hamada, G. Kohr**, *Variation of Loewner chains, extreme and support points in the class S^0 in higher dimensions*, Constructive Approx., to appear; arXiv: 1402.5538v2.
2. **I. Graham, H. Hamada, G. Kohr, M. Kohr**, *Support points and extreme points for mappings with A -parametric representation in \mathbb{C}^n* , J. Geom. Anal., to appear; DOI 10.1007/s12220-015-9600-z.
3. **H. Hamada, G. Kohr**, *Pluriharmonic mappings in \mathbb{C}^n and complex Banach spaces*, J. Math. Anal. Appl, 426 (2015), 635–658.
4. **I. Graham, H. Hamada, G. Kohr, M. Kohr**, *Extremal properties associated with univalent subordination chains in \mathbb{C}^n* , Math. Annalen, 359 (2014), 61–99.
5. **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.
6. **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.
7. **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/2012: 1.102.
8. **I. Graham, H. Hamada, G. Kohr, M. Kohr**, *Asymptotically spirallike mappings in reflexive complex Banach spaces*, Complex Analysis and Operator Theory, **7** (2013), 1909–1927.

9. **H. Hamada, G. Kohr, J. R. Muir Jr.**, *Extensions of L^d -Loewner chains to higher dimensions*, J. Anal. Math., 120 (2013), 357–392.
10. **H. Hamada, T. Honda, G. Kohr**, *Growth and distortion theorems for linearly invariant families on homogeneous unit balls in \mathbb{C}^n* , J. Math. Anal. Appl., 407 (2013), 398–412.
11. **L. Arosio, F. Bracci, H. Hamada, G. Kohr**, *An abstract approach to Loewner’s chains*, J. Anal. Math., 119 (2013), 89–114.
12. **H. Hamada, G. Kohr**, *Univalence criterion and quasiconformal extension of holomorphic mappings*, Manuscripta Math., 141 (2013), 195–209.
13. **I. Graham, H. Hamada, G. Kohr**, *A survey on extreme points, support points and Loewner chains in \mathbb{C}^n* , Math. Reports., 15 (65) (2013), no. 4, 411–423.
14. **H. Hamada, T. Honda, G. Kohr**, *Trace-order and a distortion theorem for linearly invariant families on the unit ball of a finite dimensional JB^* -triple*, J. Math. Anal. Appl., 396 (2012) 829–843.
15. **I. Graham, H. Hamada, G. Kohr, M. Kohr**, *Extreme points, support points and the Loewner variation in several complex variables*, Sci. China Math., 55(7) (2012), 1353–1366.
16. **I. Graham, H. Hamada, G. Kohr**, *Extension operators and subordination chains*, J. Math. Anal. Appl., 386 (2012), 278–289.
17. **H. Hamada, T. Honda, G. Kohr**, *Linear invariance of locally biholomorphic mappings in the unit ball of a JB^* -triple*, J. Math. Anal. Appl., 385 (2012), 326–339.
18. **I. Graham, H. Hamada, G. Kohr**, *On subordination chains with normalization given by a time-dependent linear operator*, Complex Analysis and Operator Theory, 5 (2011), 787–797.
19. **P. Duren, H. Hamada, G. Kohr**, *Two-point distortion theorems for univalent harmonic and pluriharmonic mappings*, Trans. Amer. Math. Soc., 363 (2011), 6197–6218.
20. **P. Duren, I. Graham, H. Hamada, G. Kohr**, *Solutions for the generalized Loewner differential equation in several complex variables*, Math. Annalen, 347 (2010), 411–435.
21. **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.
22. **H. Hamada, G. Kohr**, *On some classes of bounded univalent mappings in several complex variables*, Manuscripta Math., 131 (2010), 487–502.
23. **P. Curt, G. Kohr, M. Kohr**, *Homeomorphic extension of strongly spirallike mappings in \mathbb{C}^n* , Science China Mathematics, 53 (2010), no.1, 87–100.
24. **H. Hamada, G. Kohr, P.T. Mocanu, I. Şerb**, *Convex subordination chains and injective mappings in \mathbb{C}^n* , J. Math. Anal. Appl., 364 (2010), 32–40.
25. **I. Graham, H. Hamada, G. Kohr, J.A. Pfaltzgraff**, *Convex subordination chains in several complex variables*, Canadian J. Math., 61 (2009), 566–582.
26. **H. Hamada, T. Honda, G. Kohr**, *Bohr’s theorem for holomorphic mappings with values in homogeneous balls*, Israel J. Math., 173 (2009), 177–187.
27. **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.
28. **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.

29. **I. Graham, H. Hamada, G. Kohr, M. Kohr**, *Asymptotically spirallike mappings in several complex variables*, J. Anal. Math., 105 (2008), 267–302.
30. **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.
31. **P. Curt, G. Kohr**, *Some remarks concerning quasiconformal extensions in several complex variables*, J. Inequalities Appl., Volume 2008, Article ID 690932, 16 pages.
32. **H. Hamada, T. Honda, G. Kohr**, *Parabolic starlike mappings in several complex variables*, Manuscripta Mathematica, 123 (2007), 301–324.
33. **G. Kohr**, P.T. Mocanu, I. Şerb, *Convex and alpha-prestarlike subordination chains*, J. Math. Anal. Appl., 332 (2007), 463–474.
34. **P. Curt, G. Kohr**, *The asymptotical case of certain quasiconformal extension results for holomorphic mappings in \mathbb{C}^n* , Bull. Belgian Math. Soc. Simon Stevin, 14 (2007), 653–667.
35. **I. Graham, H. Hamada, G. Kohr**, *Radius problems for holomorphic mappings on the unit ball in \mathbb{C}^n* , Math. Nachr., 279 (2006), 1474–1490.
36. **I. Graham, G. Kohr**, *The Roper-Suffridge extension operator and classes of biholomorphic mappings*, Science in China Series A-Mathematics, 49 (2006), 1539–1552.
37. **H. Hamada, T. Honda, G. Kohr**, *Growth theorems and coefficient bounds for univalent holomorphic mappings which have parametric representation*, J. Math. Anal. Appl., 317 (2006), 302–319.
38. **H. Hamada, G. Kohr**, *Quasiconformal extension of biholomorphic mappings in several complex variables*, J. Anal. Math., 96 (2005), 269–282.
39. **H. Hamada, G. Kohr**, *Roper-Suffridge extension operator and the lower bound for the distortion*, J. Math. Anal. Appl., 300 (2004), 454–463.
40. **H. Hamada, G. Kohr**, *Simple criteria for strongly starlikeness and starlikeness of certain order*, Math. Nachr., 254/255 (2003), 165–171.
41. **I. Graham, G. Kohr, M. Kohr**, *Loewner chains and parametric representation in several complex variables*, J. Math. Anal. Appl., 281 (2003), 425–438.
42. **I. Graham, H. Hamada, G. Kohr, T. Suffridge**, *Extension operators for locally univalent mappings*, Michigan Math. J. 50 (2002), 37–55.
43. **I. Graham, H. Hamada, G. Kohr**, *Parametric representation of univalent mappings in several complex variables*, Canadian J. Math., 54 (2002), 324–351.
44. **I. Graham, G. Kohr**, *Univalent mappings associated with the Roper-Suffridge extension operator*, J. Anal. Math., 81 (2000), 331–342.
45. **I. Graham, G. Kohr, M. Kohr**, *Loewner chains and the Roper-Suffridge extension operator*, J. Math. Anal. Appl., 247 (2000), 448–465.

Chapters/articles in books/proceedings

1. **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.

2. **I. Graham, H. Hamada, G. Kohr, M. Kohr**, *Univalent subordination chains in reflexive complex Banach spaces*, Contemporary Math. (AMS), 591 (2013), 83–111.
3. **I. Graham, G. Kohr, J.A. Pfaltzgraff**, *The general solution of the Loewner differential equation on the unit ball in \mathbb{C}^n* , Contemporary Math., 382 (2005), American Math. Soc., Providence, RI, 191–203.
4. **I. Graham, G. Kohr, M. Kohr**, *Basic properties of Loewner chains in several complex variables*, In: Geometric Function Theory in Several Complex Variables, 165–181, World Sci. Publishing, River Edge, NJ, 2004. ISBN 981-256-023-8.
5. **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.
6. **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.
7. **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
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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.
3. **I. Graham, G. Kohr, J.A. Pfaltzgraff**, *Loewner chains and biholomorphic mappings in \mathbb{C}^n and reflexive complex Banach spaces*, Publ. Inst. Math. (NS) (Beograd), 75(89)(2004), 199-215.
4. **H. Hamada, G. Kohr**, *Loewner chains and parametric representation of biholomorphic mappings in complex Banach spaces*, Glasnik Matematiki, 39(59)(2004), 55-72.
5. **P. Curt, G. Kohr**, *Subordination chains and Loewner differential equations in several complex variables*, Ann. Univ. Mariae-Curie Sklodowska, LVII (2003), 35-43.
6. **G. Kohr**, *Kernel convergence and biholomorphic mappings in several complex variables*, Int. J. Math. Math. Sci., 67(2003), 4229-4239.
7. **H. Hamada, G. Kohr**, *Loewner chains and quasiconformal extension of holomorphic mappings*, Ann. Polon. Math. 81(2003), 85-100.
8. **H. Hamada, G. Kohr**, *k -convexity in several complex variables*, Ann. Polon. Math., 78(2002), 85-96.
9. **I. Graham, G. Kohr**, *An extension theorem and subclasses of univalent mappings in several complex variables*, Complex Variables Theory Appl., 47(2002), 59-72.
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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12. **H. Hamada, G. Kohr**, *Some necessary and sufficient conditions for convexity on bounded balanced pseudoconvex domains in \mathbb{C}^n* , Complex Variables Theory Appl., 45(2001), 101-115.
13. **H. Hamada, G. Kohr**, *An estimate of the growth of spirallike mappings relative to a diagonal matrix*, Ann. Univ. Mariae-Curie Sklodowska, Sect. A., 55(2001), 53-59.
14. **H. Hamada, G. Kohr**, *The growth theorem and quasiconformal extension of strongly spiral-like mappings of type alpha*, Complex Variables Theory Appl., 44(2001), 281-297.
15. **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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31. **G. Kohr, C. Pinte**, *An extension of Jack's-Miller's-Mocanu's lemma for holomorphic mappings defined on some domains in \mathbb{C}^n* , Libertas Mathematica, 16(1996), 61-71.

32. **G. Kohr**, *Certain partial differential inequalities and applications for holomorphic mappings defined on the unit ball of \mathbb{C}^n* , Ann. Univ. Mariae-Curie Sklodowska, Sect.A, 50(1996), 87-94.
33. **G. Kohr**, *On some partial differential inequalities for holomorphic mappings in \mathbb{C}^n* , Complex Variables, 31(1996), 131-140.
34. **G. Kohr**, M. Kohr-Ile, *Subordination theory for holomorphic mappings of several complex variables*, Banach Center Publications, 37(1996), 129-134.

**Papers in journals of the Romanian Academy indexed in data bases
(selective list)**

1. **T. Chirilă**, **H. Hamada**, **G. Kohr**, *Extreme points and support points for mappings with g -parametric representation in \mathbb{C}^n* , Mathematica (Cluj), 56 (79) (2014), to appear.
2. **I. Graham**, **H. Hamada**, **G. Kohr**, *On non-normalized subordination chains in \mathbb{C}^n* , Mathematica (Cluj), 52(75)(2010), 153-164.
3. **I. Graham**, **G. Kohr**, **J.A. Pfaltzgraff**, *Parametric representation and linear functionals associated with extension operators for biholomorphic mappings*, Rev. Roum. Math. Pures Appl., 52(2007), 47-68.
4. **P. Curt**, **G. Kohr**, *Quasiconformal extensions and q -subordination chains in \mathbb{C}^n* , Mathematica (Cluj), 49(72)(2007), 149-159.
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7. **H. Hamada**, **G. Kohr**, *Loewner chains and the Loewner differential equation in reflexive complex Banach spaces*, Rev. Roum. Math. Pures Appl., 49(2004), 247-264.
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17. **G. Kohr**, **P. Liczberski**, *A starlikeness criterion for holomorphic mappings in the polydisc*, Mathematica (Cluj), 37(60)(1995), 119-121.