Complete List of Publications

A. Edited Books and Proceedings

A.1 Special Journal Issues


A.2 Selected Papers Volumes


B. Books and Proceedings Contributions


C. Commissioned Articles in Journals


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1This is an advance communication of the homonymous article (Log. Methods Comput. Sci. 2013).
D. Peer–Reviewed Articles in Journals

1. ‘Identifying variable points on a smooth curve’.  

2. ‘The moduli of substructures of a compact complex space’.  

3. ‘A very weak Nullstellensatz over Heyting fields’.  

4. ‘Linear independence without choice’ (with D. Bridges, F. Richman).  

5. ‘A constructive look at generalised Cauchy reals’.  

6. ‘A weak countable choice principle’ (with D. Bridges, F. Richman).  

7. ‘Adjoint, absolute values and polar decompositions’ (with D. Bridges, F. Richman).  


9. ‘A constructive uniform continuity theorem’ (with H. Ishihara).  

10. ‘Trace–class operators’ (with D. Bridges, F. Richman).  

11. ‘Apartness, topology, and uniformity: a constructive view’ (with D. Bridges, L. Viță).  

12. ‘Real numbers as black boxes’.  

13. ‘Strong versus uniform continuity: a constructive round’ (with D. Bridges, L. Viță).  

14. ‘Unique existence, approximate solutions, and countable choice’.  

15. ‘Countable choice as a questionable uniformity principle’.  


17. ‘Compactness under constructive scrutiny’ (with H. Ishihara).  

19. ‘Products in the category of apartness spaces’ (with D. Bridges, H. Ishihara, L. Viţă).

20. ‘On constructing completions’ (with L. Crosilla, H. Ishihara).

21. ‘Strong continuity implies uniform sequential continuity’ (with D. Bridges, H. Ishihara, L. Viţă).

22. ‘What is continuity, constructively?’
   J. UCS 11 (2005) 2076–2085

23. ‘Logisch zwingende Teilprinzipien von ZFC’.
   Logique et Analyse (N.S.) 48 (2005) 301–310

24. ‘Formal Zariski topology: positivity and points’.

25. ‘The fan theorem and unique existence of maxima’ (with J. Berger, D. Bridges).


27. ‘Apartness and formal topology’ (with E. Palmgren).
   New Zealand J. Math. 35 (2006) 77–84

28. ‘Finitely generated Banach algebras and local Nullstellensätze: a constructive treat-

29. ‘Classifying Dini’s theorem’ (with J. Berger).

30. ‘A simple constructive proof of Kronecker’s density theorem’ (with D. Bridges).


32. ‘Binary refinement implies discrete exponentiation’ (with P. Aczel, L. Crosilla, H. Ishi-

33. ‘Ideals in constructive Banach algebra theory’ (with D. Bridges, R. Havea).

34. ‘Almost locatedness in uniform spaces’ (with D. Bridges, H. Ishihara, R. Mines, F. Rich-

35. ‘Spatiality for formal topologies’ (with N. Gambino).
36. ‘The shrinking principle and the axiom of choice’ (with B. Banaschewski).
37. ‘The projective spectrum as a distributive lattice’ (with T. Coquand, H. Lombardi).
38. ‘Apartness, compactness, and nearness’ (with D. Bridges, H. Ishihara, L. Viţă).
39. ‘The Zariski spectrum as a formal geometry’.
40. ‘A continuity principle, a version of Baire’s theorem, and a boundedness principle’
41. ‘Über das Kripke-Schema und abzählbare Teilmengen’ (with J. Zappe).
42. ‘Spectral schemes as ringed lattices’ (with T. Coquand, H. Lombardi).
43. ‘Problems, solutions, and completions’.
   J. Logic Algebr. Program. 79 (2010) 84–91
44. ‘Kronecker’s density theorem and irrational numbers in constructive reverse mathematics’
45. ‘On choice principles and fan theorems’ (with H. Diener).
   J. UCS 16 (2010) 2556–2562
46. ‘On the contrapositive of countable choice’ (with H. Ishihara).
   Arch. Math. Logic 50 (2011) 137–143
47. ‘Noetherian orders’ (with H. Perdry).
48. ‘Minima and best approximations in constructive analysis’ (with M. Hendtlass).
49. ‘Uniqueness, continuity, and existence of implicit functions in constructive analysis’
50. ‘Unique paths as formal points’ (with T. Coquand).
51. ‘A predicative completion of a uniform space’ (with J. Berger, H. Ishihara, E. Palmgren).
52. ‘The Gröbner ring conjecture in one variable’ (with H. Lombardi, I. Yengui).
   Math. Z. 270 (2012) 1181–1185
53. ‘The weak König lemma, Brouwer’s fan theorem, de Morgan’s law, and dependent choice’ (with J. Berger, H. Ishihara).
54. ‘The Kripke schema in metric topology’ (with R. Lubarsky, F. Richman).

55. ‘A generalised cut characterisation of the fullness axiom in CZF’ (with L. Crosilla, E. Palmgren).

56. ‘Are there enough injective sets?’ (with P. Aczel, B. van den Berg, J. Granström).
   *Studia Logica* 101 (2013) 467–482


58. ‘Approximating Beppo Levi’s principio d’approssimazione’ (with R. Bruni).

59. ‘Constructing Gröbner bases for Noetherian rings’ (with H. Perdry).

60. ‘The basic Zariski topology’ (with D. Rinaldi, G. Sambin).

61. ‘A universal Krull–Lindenbaum theorem’ (with D. Rinaldi).
   *J. Pure Appl. Algebra* 220 (9) (2016) 3207–3232

62. ‘Eliminating disjunctions by disjunction elimination’ (with D. Rinaldi, D. Wessel).³

63. ‘Eliminating disjunctions by disjunction elimination’ (with D. Rinaldi, D. Wessel).⁴

64. ‘Suzumura consistency, an alternative approach’ (with D. Wessel).

65. ‘A general extension theorem for directed-complete partial orders’ (with D. Wessel).

66. ‘Some forms of excluded middle for linear orders’ (with D. Wessel).

67. ‘Der Satz von Hahn-Banach per Disjunktionselimination’

E. Forthcoming Items (Accepted for Publication)

1. ‘Proof, Structure and Computation’ (with D. Pattinson, A. Sokolova, eds.).
   Special issue, *J. Logic Comput.*


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²This is the full version of the homonymous conference paper (*Logic in Computer Science – LICS – 2012*).
³This is an advance communication of the homonymous article (*Indag. Math. (N.S.)* 2017).
⁴This is the full version of the homonymous communication (*Bull. Symb. Log. 2017*).