Complete List of Publications

A. Edited Books and Proceedings

A.1 Special Journal Issues


A.2 Selected Papers Volumes


**B. Books and Proceedings Contributions**


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1 This is an advance communication of the homonymous article (*Log. Methods Comput. Sci.* 2013).


C. Commissioned Articles in Journals

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. ‘Adjoints, 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. Viţă).

12. ‘Real numbers as black boxes’.

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

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

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


17. ‘Compactness under constructive scrutiny’ (with H. Ishihara).
   *Arch. Math. (Basel)* 85 (2005) 49–54

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


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. Ishihara, E. Palmgren).
   *Studia Logica* 84 (2006) 361–368

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


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. Viša).

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’
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).
Confluentes Math. 7 (1) (2015) 55–81

61. ‘A universal Krull–Lindenbaum theorem’ (with D. Rinaldi).

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’
(with K. Schlagbauer, D. Wessel).
Confluentes Math. 11 (1) (2019) 79–93

68. ‘On Scott’s semantics for many-valued logic’ (with S. Niki).
J. Logic Comput. 30 (6) (2020) 1291–1302

69. ‘The Jacobson radical of a propositional theory’ (with G. Fellin, D. Wessel).

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. Logic 2017).
70. ‘Dynamic evaluation of integrity and the computational content of Krull’s lemma’ (with D. Wessel, I. Yengui).  

71. ‘The Jacobson radical for an inconsistency predicate’ (with D. Wessel).  
   *Computability* 11 (2022) 147–162

72. ‘A universal algorithm for Krull’s theorem’ (with T. Powell, F. Wiesnet).  