

Publications

1. ‘Eliminating disjunctions by disjunction elimination’ (with D. Rinaldi and P. Schuster). *Bull. Symb. Logic*, 23(2):181–200, 2017. Advance communication of [2]. doi: 10.1017/bsl.2017.13. MR 3664722.
2. ‘Eliminating disjunctions by disjunction elimination’ (with D. Rinaldi and P. Schuster). *Indag. Math. (N.S.)*, 29(1):226–259, 2018. doi: 10.1016/j.indag.2017.09.011. MR 3739616.
3. ‘Extension by conservation. Sikorski’s theorem’ (with D. Rinaldi). *Log. Methods Comput. Sci.*, 14(4:8):1–17, 2018. doi: 10.23638/LMCS-14(4:8)2018. MR 3876710.
4. ‘Suzumura consistency, an alternative approach’ (with P. Schuster). *J. Appl. Logics – IfCoLog*, 5(1):263–286, 2018. MR 3890116.
5. ‘A general extension theorem for directed-complete partial orders’ (with P. Schuster). *Rep. Math. Logic*, 53:79–96, 2018. doi: 10.4467/20842589RM.18.005.8838. MR 3871805.
6. ‘The Jacobson radical of a propositional theory’ (with G. Fellin and P. Schuster). In Thomas Piecha and Peter Schroeder-Heister, editors, *Proof-Theoretic Semantics: Assessment and Future Perspectives. Proceedings of the Third Tübingen Conference on Proof-Theoretic Semantics, 27–30 March 2019*, pages 287–299. University of Tübingen, 2019. doi: 10.15496/publikation-35319.
7. ‘Cut elimination for entailment relations’ (with D. Rinaldi). *Arch. Math. Logic*, 58(5–6):605–625, 2019. doi: 10.1007/s00153-018-0653-0. MR 3976664.
8. ‘Der Satz von Hahn–Banach per Disjunktionselemination’ (with K. Schlagbauer and P. Schuster). *Confluentes Math.*, 11(1):79–93, 2019. doi: 10.5802/cml.57. MR 4002395.
9. ‘Some forms of excluded middle for linear orders’ (with P. Schuster). *Math. Log. Quart.*, 65(1):105–107, 2019. doi: 10.1002/malq.201800038. MR 3957390.
10. ‘Ordering groups constructively’. *Comm. Algebra*, 47(12):4853–4873, 2019. doi: 10.1080/00927872.2018.1477947. MR 4019311.
11. ‘A note on connected reduced rings’. *J. Comm. Algebra*, 2019. Forthcoming.
12. ‘Point-free spectra of linear spreads’. In S. Centrone, S. Negri, D. Sarikaya, and P. Schuster, editors, *Mathesis Universalis, Computability and Proof*, Synthese Library, pages 353–374. Springer, 2019. doi: 10.1007/978-3-030-20447-1_19
13. ‘Ribenboim’s order extension theorem from a constructive point of view’ (with R. Bonacina). *Algebra Universalis*, 81(5), 2020. doi: 10.1007/s00012-019-0634-0. MR4046040.
14. ‘The computational significance of Hausdorff’s Maximal Chain Principle’ (with P. Schuster). In Marcella Anselmo, Gianluca Della Vedova, Florin Manea, and Arno Pauly, editors, *Beyond the Horizon of Computability. 16th Conference on Computability in Europe*, volume 12098 of *Lect. Notes Comput. Sci.*, pages 239–250. Springer, 2020. Proceedings, CiE 2020, Fisciano, Italy, June 29–July 3, 2020. doi: 10.1007/978-3-030-51466-2_21. MR 4139540.
15. ‘Resolving finite indeterminacy: A definitive constructive universal prime ideal theorem’ (with P. Schuster). In *Proceedings of the 35th Annual ACM/IEEE Symposium on Logic in Computer Science, LICS ’20*, pages 820–830, New York, NY, USA, 2020. Association for Computing Machinery. doi: 10.1145/3373718.3394777. MR 4171549.
16. ‘Syntax for Semantics: Krull’s Maximal Ideal Theorem’ (with P. Schuster). In Gerhard Heinzmann and Gereon Wolters, editors, *Paul Lorenzen: Mathematician and Logician*. Springer, 2021. Forthcoming.
17. ‘Dynamic evaluation of integrity and the computational content of Krull’s lemma’ (with I. Yengui and P. Schuster). *J. Pure Appl. Algebra*, 226(1), 2022. paper 106794, available online 17 May 2021. doi: 10.1016/j.jpaa.2021.106794. MR 4262076.