

List of Publications by S. B. Niefield

1. Cartesian inclusions: locales and toposes, *Comm. in Alg.* 9 (1981), 1639–1671.
2. Cartesianness: topological spaces, uniform spaces, and affine schemes, *JPAA* 23 (1982), 147–167.
3. Topologically indexed function spaces and adjoints, *Can. Math. Bull.* 25 (1982), 169–178.
4. Cartesian spaces over T and locales over $\Omega(T)$, *Cahiers de Top. et Geom. Diff.* XXIII-3 (1982), 257–267.
5. Exactness and projectivity, *Proc. of the Gummersbach Category Theory Meeting 1981*, Lecture Notes in Math. 962, Springer-Verlag (1982), 221–227.
6. A note on the locally Hausdorff property, *Cahiers de Top. et Geom. Diff.* XXIV-1(1983), 87–93.
7. (with K.I. Rosenthal) Strong de Morgan’s law and the spectrum of a commutative ring, *J. of Alg.* 93 (1985), 169–181.
8. (with K.I. Rosenthal) A Note on algebraic de Morgan’s law, *Cahiers de Top. et Geom. Diff.* XXVI-2 (1985), 115–120.
9. Adjoints to tensor for graded algebras and coalgebras, *JPAA* 41 (1986), 255–261.
10. (with K.I. Rosenthal) Sheaves of integral domains on Stone Spaces, *JPAA* 47 (1987), 173–179.
11. (with K.I. Rosenthal) Spatial sublocales and essential primes, *Top. and Its Appl.* 26 (1987), 263–269.
12. (with K.I. Rosenthal) Ideals of closed categories, *JPAA* 51 (1988), 293–304.
13. (with K.I. Rosenthal) Componential nuclei, *Proc. of the Category Theory Conference at Louvain-la-Neuve, Belgium*, Lecture Notes in Math. 1348, Springer-Verlag (1988), 299–306.
14. (with K.I. Rosenthal) Constructing locales from quantales, *Math. Proc. of the Lond. Phil Soc.* 104 (1988), 215–234.
15. (with K.I. Rosenthal) Connections between ideal theory and the theory of locales, *Papers on Topology and Related Category Theory*, *Ann. of the NY Acad. of Sci.* 562 (1989), 138–152.
16. (with K.I. Rosenthal) Sheaves of semiprime ideals, *Cahiers de Top. et Geom. Diff. Cat.* XXXI-3 (1990), 213–227.
17. (with B. Banaschewski) Projective and supercoherent frames, *JPAA* 70 (1991), 45–51.
18. Weak pullbacks and locally Hausdorff locales, *Proc. of Category Theory ‘90*, Lecture Notes in Math. 1488, Springer-Verlag (1991).
19. (with S. Hao) De Morgan’s laws for noncommutative rings, *Cahiers de Top. et Geom. Diff. Cat.* XXXVI-2 (1995), 127–140.
20. Algebras for chaos, *Appl. Cat. Str.* 4 (1996), 423–441.
21. Constructing quantales and their modules from monoidal categories, *Cahiers de Top. et Geom. Diff. Cat.* XXXVII-2 (1996), 163–176.
22. (with M. Bunge) Exponentiability and single universes, *JPAA* 148 (2000), 217–250.
23. Exponentiable morphisms: posets, spaces, locales, and Grothendieck toposes, *TAC* 8 (2001), 16–32.
24. Exponentiability of perfect maps: four approaches, *TAC* 10 (2002), 127–133.

25. Implementing finite structures in Mathematica via a skeletal topos of finite sets, *J. of Symbolic Computation* 35 (2003), 137–151
26. Change of base for relational variable sets, *TAC* 12 (2004), 248–261.
27. Locally compact path spaces, *Appl. Categ. Structures* 13 (2005), 65–69.
28. Homotopy pullbacks, lax pullbacks, and exponentiability, *Cahiers de Top. et Geom. Diff. Cat.* XLVII-1 (2006), 50–79.
29. Exponentiability in lax slices of *Top*, *TAC* 16, (2006), 218–235.
30. Exponentiability in homotpy slices of *Top* and pseudo-slices of *Cat*, *TAC* 19, (2007), 4–18.
31. Lax presheaves and exponentiability, *TAC* 24, (2010), 288–301.
32. Span, cospan, and other double categories, *TAC* 26, (2012), 729–742.
33. Exponentiability via double categories, *TAC* 27, (2012), 10–26.
34. The glueing construction and double categories, *JPAA* 216 (2012), 1827–1836.
35. Projectivity, continuity, and adjointness: quantales, Q -posets, and Q -modules, *TAC* 31, (2016), 839–851.
36. (with R.J. Wood) Coexponentiability and projectivity: rigs, rings, and 1uantales, *TAC* 32, (2017), 1222–1228.
37. (with D.A. Pronk) Internal groupoids and exponentiability, *Cahiers de Top. et Geom. Diff. Cat.* LX-4 (2019), 404–432.
38. Exponentiability in double categories and the glueing construction, *TAC* 35, (2020), 1208–1226.
39. Extensions and Glueing in Double Categories, *TAC* 36, (2021), 348–367.