

Bibliography

- [AH14] Hiroshi Ando and Uffe Haagerup. Ultraproducts of von Neumann algebras. *J. Funct. Anal.*, 266(12):6842–6913, 2014. [MR3198856](#) [DOI:10.1016/j.jfa.2014.03.013](#) [arXiv:1212.5457](#).
- [Amb45] Warren Ambrose. Structure theorems for a special class of Banach algebras. *Trans. Amer. Math. Soc.*, 57:364–386, 1945. [MR13235](#) [DOI:10.2307/1990182](#).
- [Art25] Emil Artin. Theorie der Zöpfe. *Abh. Math. Sem. Univ. Hamburg*, 4(1):47–72, 1925. [MR3069440](#) [DOI:10.1007/BF02950718](#).
- [Bae97] John C. Baez. Higher-dimensional algebra. II. 2-Hilbert spaces. *Adv. Math.*, 127(2):125–189, 1997. [MR1448713](#) [DOI:10.1006/aima.1997.1617](#).
- [BS10] John C. Baez and Michael Shulman. Lectures on n -categories and cohomology. In *Towards higher categories*, volume 152 of *IMA Vol. Math. Appl.*, pages 1–68. Springer, New York, 2010. [MR2664619](#) [arXiv:math/0608420](#).
- [Con80] Alain Connes. On the spatial theory of von Neumann algebras. *J. Funct. Anal.*, 35(2):153–164, 1980. [MR561983](#).
- [DR18] Christopher L. Douglas and David J. Reutter. Fusion 2-categories and a state-sum invariant for 4-manifolds, 2018. [arXiv:1812.11933](#).
- [EGNO15] Pavel Etingof, Shlomo Gelaki, Dmitri Nikshych, and Victor Ostrik. *Tensor categories*, volume 205 of *Mathematical Surveys and Monographs*. American Mathematical Society, Providence, RI, 2015. [MR3242743](#) [DOI:10.1090/surv/205](#).
- [GJF19] Davide Gaiotto and Theo Johnson-Freyd. Condensations in higher categories, 2019. [arXiv:1905.09566](#).
- [Haa75] Uffe Haagerup. The standard form of von Neumann algebras. *Math. Scand.*, 37(2):271–283, 1975. [MR0407615](#).
- [Jon83] Vaughan F. R. Jones. Index for subfactors. *Invent. Math.*, 72(1):1–25, 1983. [MR696688](#), [DOI:10.1007/BF01389127](#).
- [Jon85] Vaughan F. R. Jones. A polynomial invariant for knots via von Neumann algebras. *Bulletin of the American Mathematical Society*, 12(1):103–111, 1985. [MR0766964](#).
- [Jon15] Vaughan F. R. Jones. Von Neumann algebras, 2015. <https://math.vanderbilt.edu/jonesvf/VONNEUMANNALGEBRAS2015/VonNeumann2015.pdf>.
- [Kau87] Louis H. Kauffman. State models and the Jones polynomial. *Topology*, 26(3):395–407, 1987. [MR899057](#), [DOI:10.1016/0040-9383\(87\)90009-7](#).
- [KL94] Louis H. Kauffman and Sóstenes L. Lins. *Temperley-Lieb recoupling theory and invariants of 3-manifolds*, volume 134 of *Annals of Mathematics Studies*. Princeton University Press, Princeton, NJ, 1994. [MR1280463](#).

- [Lam01] T. Y. Lam. *A first course in noncommutative rings*, volume 131 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition, 2001. [MR1838439](#) [DOI:10.1007/978-1-4419-8616-0](#).
- [Lie67a] Elliott H. Lieb. Exact solution of the problem of the entropy of two-dimensional ice. *Phys. Rev. Lett.*, 18:692–694, Apr 1967. [DOI:10.1103/PhysRevLett.18.692](#).
- [Lie67b] Elliott H. Lieb. Residual entropy of square ice. *Phys. Rev.*, 162:162–172, Oct 1967. [DOI:10.1103/PhysRev.162.162](#).
- [Mar35] A.A. Markov. Über die freie Äquivalenz der geschlossen Zöpfe. *Recueil Math. Moscou*, 1:73–78, 1935.
- [Müg00] Michael Müger. Galois theory for braided tensor categories and the modular closure. *Adv. Math.*, 150(2):151–201, 2000. [MR1749250](#) [DOI:10.1006/aima.1999.1860](#) [arXiv:math.CT/9812040](#).
- [PP86] Mihai Pimsner and Sorin Popa. Entropy and index for subfactors. *Ann. Sci. École Norm. Sup. (4)*, 19(1):57–106, 1986. [MR860811](#).
- [Rei27] Kurt Reidemeister. Knoten und Gruppen. *Abh. Math. Sem. Univ. Hamburg*, 5(1):7–23, 1927. [MR3069461](#) [DOI:10.1007/BF02952506](#).
- [Rie74] Marc A. Rieffel. Morita equivalence for C^* -algebras and W^* -algebras. *J. Pure Appl. Algebra*, 5:51–96, 1974. [MR0367670](#).
- [Sau83] Jean-Luc Sauvageot. Sur le produit tensoriel relatif d’espaces de Hilbert. *J. Operator Theory*, 9(2):237–252, 1983. [MR703809](#).
- [Sel07] P. Selinger. Dagger compact closed categories and completely positive maps: (extended abstract). In *Proceedings of the 3rd International Workshop on Quantum Programming Languages (QPL 2005)*, volume 170, pages 139–163, 2007. [DOI:10.1016/j.entcs.2006.12.018](#), Available at: <https://ncatlab.org/nlab/files/SelingerPositiveMaps.pdf>.
- [Tak03] Masamichi Takesaki. *Theory of operator algebras. II*, volume 125 of *Encyclopaedia of Mathematical Sciences*. Springer-Verlag, Berlin, 2003. Operator Algebras and Non-commutative Geometry, 6 [MR1943006](#).
- [TL71] Harold N. V. Temperley and Elliott H. Lieb. Relations between the “percolation” and “colouring” problem and other graph-theoretical problems associated with regular planar lattices: some exact results for the “percolation” problem. *Proc. Roy. Soc. London Ser. A*, 322(1549):251–280, 1971. [MR0498284](#).
- [Ver22] Dominic Verdon. A covariant Stinespring theorem. *J. Math. Phys.*, 63(9):Paper No. 091705, 49, 2022. [MR4482713](#) [DOI:10.1063/5.0071215](#) [arXiv:2108.09872](#).
- [Wen87] Hans Wenzl. On sequences of projections. *C. R. Math. Rep. Acad. Sci. Canada*, 9(1):5–9, 1987. [MR873400](#).
- [Yam92] Shigeru Yamagami. Algebraic aspects in modular theory. *Publ. Res. Inst. Math. Sci.*, 28(6):1075–1106, 1992. [MR1203761](#) [DOI:10.2977/prims/1195167738](#).