

Publication List

NOAH SNYDER

Publications and Preprints:

Peer-reviewed journal articles

- 2011 1. *Subfactors of index less than 5, part 3: quadruple points*. Joint with M. Izumi, V. Jones, and S. Morrison. Accepted by **Communications in Mathematical Physics**. arXiv:math/1109.3190
2. *Quantum subgroups of the Haagerup fusion categories*. Joint with P. Grossman. Accepted by **Communications in Mathematical Physics**. arXiv:1102.2631
3. *Subfactors of index less than 5, part 2: quadratic tangles and triple points*. Joint with S. Morrison, D. Penneys, and E. Peters. Accepted by **International Journal of Mathematics**. arXiv:1007.1730
- 2010 4. *Subfactors of index less than 5, part 1: the principal graph odometer*. Joint with S. Morrison. Accepted by **Communications in Mathematical Physics**. arXiv:1007.1730
5. *Non-cyclotomic fusion categories*. Joint with S. Morrison. Accepted by **Transactions of the American Mathematical Society**. arXiv:1002.0168
6. *Cyclotomic integers, fusion categories, and subfactors*. Joint with F. Calegari and S. Morrison. **Communications in Mathematical Physics** 303 (2011), no. 3, 845–896. arxiv:1004.0665
7. *Knot polynomial identities and quantum group coincidences*, **Quantum Topology** 2 (2011), no. 2, 101–156 (with S. Morrison and E. Peters). arxiv:1003.0022
- 2009 8. *Constructing the extended Haagerup planar algebra*. Joint with S. Bigelow, S. Morrison, and E. Peters. Accepted by **Acta Mathematica**. arxiv:0909.4099
- 2008 9. *Skein theory for the D_{2n} planar algebras*. Joint with S. Morrison and E. Peters. **Journal of Pure and Applied Algebra** 214 (2010), no. 2, 117–139. arxiv:0808.0764
10. *The half-twist for $U_q(\mathfrak{g})$ representations*. Joint with P. Tingley. **Algebra & Number Theory** 3 (2009), no. 7, p. 809–834. arxiv:0810.0084
- 2006 11. *Groups with a character of large degree*, **Proceedings of the American Mathematical Society** 136 (2008), no. 6, 1893–1903. arXiv:math/0603239
12. *Cartan subalgebras of root-reductive Lie algebras*. Joint with E. Dan-Cohen and I. Penkov. **Journal of Algebra** 308 (2007), no. 2, 583–611. arXiv:math/0603004
- 1999 13. *An alternate proof of Mason’s theorem*, **Elemente Mathematik** 55 (2000), no. 3, 93–94.

Work in Progress

14. *The structure of tensor categories via local topological field theory*. Joint with C. Douglas and C. Schommer-Pries. ETA Winter 2011/2012.
15. *The Brauer–Picard groupoid of the Asaeda–Haagerup categories* Joint with P. Grossman. ETA Winter 2011/2012.
16. *Kashaev–Reshetikhin knot invariants* Joint with Scott Morrison. ETA Spring 2012.