

MIP* = RE AND THE CONNES' EMBEDDING PROBLEM

Hot Topics Workshop, SLMath/MSRI
October 16 to 20, 2023

- [1] S. ARORA and B. BARAK, *Computational complexity: a modern approach*, Cambridge University Press, Cambridge, UK, 2009, ISBN 978-0-521-42426-4. MR 2500087. Zbl 1193.68112. doi: 10.1017/CBO9780511804090. <https://theory.cs.princeton.edu/complexity>.
- [2] L. BABAI, L. FORTNOW, and C. LUND, Non-deterministic exponential time has two-prover interactive protocols, *Comput. Complexity* **1** (1991), no. 1, 3–40. MR 1113533. Zbl 0774.68041. doi: 10.1007/BF01200056.
- [3] M. JUNGE, M. NAVASCUES, C. PALAZUELOS, D. PEREZ-GARCIA, V. B. SCHOLZ, and R. F. WERNER, Connes' embedding problem and Tsirelson's problem, *J. Math. Phys.* **52** (2011), no. 1, Article ID 012102. MR 2790067. Zbl 1314.81038. arXiv 1008.1142. doi: 10.1063/1.3514538.
- [4] T. VIDICK and J. WATROUS, Quantum proofs, *Found. Trends Theor. Comput. Sci.* **11** (2016), no. 1-2, 1–215. MR 3499154. Zbl 1339.68094. arXiv 1610.01664. doi: 10.1561/04000000068.
- [5] J. WATROUS, *The theory of quantum information*, Cambridge University Press, Cambridge, UK, 2018, ISBN 978-1-107-18056-7. Zbl 1393.81004. doi: 10.1017/9781316848142.