

## References

- [CW22] C. Chevalier and B. M. Wong, *HADOKEN: An open-source software package for predicting electron confinement effects in various nanowire geometries and configurations*, *Computer Physics Communications* **274** (2022) 108299.
- [HNT20] C.-T. Hsieh, Y. Nakayama, and Y. Tachikawa, *Fermionic minimal models*, *Phys. Rev. Lett.* **126** (2021) 195701, [arXiv:2002.12283 \[cond-mat.str-el\]](#).
- [HS22a] J. Huxford and S. H. Simon, *Excitations in the Higher Lattice Gauge Theory Model for Topological Phases I: Overview*, [arXiv:2202.08294 \[cond-mat.str-el\]](#).
- [HS22b] ———, *Excitations in the Higher Lattice Gauge Theory Model for Topological Phases II: the 2+1d Case*, [arXiv:2204.05341 \[cond-mat.str-el\]](#).
- [Kit09] A. Kitaev, *Periodic table for topological insulators and superconductors*, *AIP Conf. Proc.* **1134** (2009) 22–30, [arXiv:0901.2686 \[cond-mat.mes-hall\]](#).
- [KW41] H. A. Kramers and G. H. Wannier, *Statistics of the two-dimensional ferromagnet. part i*, *Phys. Rev.* **60** (1941) 252–262.
- [LOZ22] L. Li, M. Oshikawa, and Y. Zheng, *Symmetry Protected Topological Criticality: Decorated Defect Construction, Signatures and Stability*, [arXiv:2204.03131 \[cond-mat.str-el\]](#).
- [McG22] J. McGreevy, *Generalized Symmetries in Condensed Matter*, [arXiv:2204.03045 \[cond-mat.str-el\]](#).
- [MRS20] G. B. Mbeng, A. Russomanno, and G. E. Santoro, *The quantum ising chain for beginners*, 2020. <https://arxiv.org/abs/2009.09208>.
- [Ons44] L. Onsager, *Crystal statistics. i. a two-dimensional model with an order-disorder transition*, *Phys. Rev.* **65** (1944) 117–149.
- [PV00] A. Pelissetto and E. Vicari, *Critical phenomena and renormalization group theory*, *Phys. Rept.* **368** (2002) 549–727, [arXiv:cond-mat/0012164](#).
- [Shi19] N. Shiraishi, *Proof of the absence of local conserved quantities in the XYZ chain with a magnetic field*, *EPL (Europhysics Letters)* **128** (2019) 17002.
- [SJTS22] R. Samajdar, D. G. Joshi, Y. Teng, and S. Sachdev, *Emergent  $\mathbb{Z}_2$  gauge theories and topological excitations in Rydberg atom arrays*, [arXiv:2204.00632 \[cond-mat.quant-gas\]](#).
- [SML64] T. D. SCHULTZ, D. C. MATTIS, and E. H. LIEB, *Two-dimensional ising model as a soluble problem of many fermions*, *Rev. Mod. Phys.* **36** (1964) 856–871.
- [SRFL08] A. Schnyder, S. Ryu, A. Furusaki, and A. Ludwig, *Classification of topological insulators and superconductors in three spatial dimensions*, *Phys. Rev. B* **78** (2008) 195125, [arXiv:0803.2786 \[cond-mat.mes-hall\]](#).
- [Suz0a] M. Suzuki, *Relationship between d-Dimensional Quantal Spin Systems and (d+1)-Dimensional Ising Systems: Equivalence, Critical Exponents and Systematic Approximants of the Partition Function and Spin Correlations*, *Progress of Theoretical Physics* **56** (1976) 1454–1469, <https://academic.oup.com/ptp/article-pdf/56/5/1454/5264429/56-5-1454.pdf>.
- [Tas22] H. Tasaki, *The Lieb-Schultz-Mattis Theorem: A Topological Point of View*, [arXiv:2202.06243 \[cond-mat.stat-mech\]](#).