

# Symmetry enhancement in RCFT

*Wednesday, 8 December 2021 15:00 (20 minutes)*

We propose when and why symmetry enhancements happen in massless renormalization group (RG) flows to two-dimensional rational conformal field theories (RCFTs). We test our proposal against known RG flows from unitary minimal models. We also suggest which sign of the relevant coupling triggers the massless RG flow. The other sign triggers massive RG flows to topological quantum field theories (TQFTs). We comment on their ground state degeneracies.

**Presenter:** Dr KIKUCHI, Ken (Yau Mathematical Sciences Center)

**Session Classification:** Short talk