

Mahesh Balasubramanian: Topological surface defects in 2+1d, and gauging of non-invertible symmetries

Tuesday, July 15, 2025 3:30 PM (20 minutes)

We describe non-invertible symmetries of 2+1d TQFTs and their twisted sectors in terms of connected fusion 2-categories. We rephrase these objects in the familiar language of QFT whenever possible, and for 2+1d $\mathbb{Z}_2$ gauge theory, we describe gauging of these non-invertible symmetries and their inversion using Anyon condensation.