

DEFECTS IN THREE-DIMENSIONAL TOPOLOGICAL FIELD THEORY

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Surface defects in 3d Reshetikhin-Turaev type TFTs provide a rich class of explicitly computable examples of non-invertible symmetries. I will discuss the algebraic description of surface defects and some of their general properties. Defects can be used to gauge 3d TFTs via an internal state sum, and I will describe the algebraic data needed for this procedure and give applications to 2dCFT, Levin-Wen models, and spin TFT.