

EXTENDED HQFTS IN DIMENSION 2

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Abstract: Topological quantum field theories (TQFTs), inspired by theoretical physics, produce manifold invariants behaving well under gluing. For every discrete group G , homotopy quantum field theories (HQFTs) are G -equivariant versions of TQFTs. In this talk, we define 2-dimensional extended HQFTs and give main ideas of the classification.