

Comments on how TFTs organize our knowledge of \otimes -categories

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favorite symmetric monoidal 3-category:

objects: finite, rigid, \otimes -category
1-mor: finite, bimodule categories
2-mor: bimodule functors
3-mor: natural transformations

Thm separable fusion categories are fully dualizable.

Thm finite rigid monoidal categories are 2-dualizable

In fact most 3-dim handles are ok.

Thm $O(3)$ acts on finite rigid \otimes -categories.

adjectives/structures for \otimes -cats \longleftrightarrow homotopy fixed pts for some action