
Hopf25

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9h30-9h55

Bicommutant categories

Bicommutant categories, initially invented for the purposes of 3d TQFT and 2d CFT, seem to also appear in other domains of math with examples related to group theory, and dynamical systems. In this talk, I will explain why the category $\text{Rep}(G)$ of unitary representations of a discrete infinite group G is a bicommutant category, and what this teaches us about $\text{Rep}(G)$. I conjecture that the category of representations of a locally compact quantum group is also a bicommutant category.