

Definition

A fusion category is a linear semisimple \otimes -category with duals, with finitely many simple objects.

Example

The representation theory of any finite group is a fusion category.

Example

The representation category of $U_q(\mathfrak{g})$ at a root of unity is not semisimple, but after quotient by the ‘negligible ideal’ it becomes a fusion category.

These are great examples to keep in mind — but are there fusion categories that don’t ‘essentially’ come from one of these two sources?