

# Tensor action and classification of thick subcategories.

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## Abstract

Triangulated categories appear in many branches of mathematics as an invariant of underlying objects (topological spaces, schemes, etc.). In several examples, they occur with an extra structure called a tensor structure, and give a complete invariant of the underlying object. We will recall work of Balmer in this direction and the reconstruction theorem of Thomason-Balmer in algebraic geometry which fits in this picture. In this talk, we will take a slightly general approach via tensor action. We state a general version of classification of thick subcategories and mention related results with Vivek Mallick.