

Tensor action and classification of thick subcategories.  
Umesh Dubey, IISc, Bengaluru

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.

Pre-requisites :

Familiarity with topics covered in the previous talks and construction of spectrum in ring/scheme theory.