

# Topology Seminar

**Achim Krause**

of Münster will be speaking on

The Picard group in equivariant homotopy theory via stable module categories

on March 1 at 4:30 in  
MIT Room Zoom

The Picard group of genuine  $G$ -spectra consists of those compact objects all of whose geometric fixed points are spheres. Work by tom Dieck - Petrie classifies these objects in terms of the dimensions at all conjugacy classes of subgroups. The question of which such ‘dimension functions’ can be realized is quite interesting. We present a new perspective on this question, based on a version of isotropy separation which plays well with compact objects.

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