Math Physics Seminar - Ryan Kinser, University of Iowa, Zoom

Wednesday, Feb 26th 1:30 - 2:30pm

Title: Hopf actions and algebras in tensor categories

Abstract: The classical notion of group actions (symmetries) has a natural generalization as Hopf algebra actions (quantum symmetries). At the same time, the classical study of finite-dimensional associative algebras has a natural generalization to algebras in finite tensor categories. This talk will be an introductory overview of these concepts, along with some proposed ideas for extending the fundamentals of the theory of finite dimensional algebras to the setting of finite tensor categories. I'll cover in a little more detail recent joint work with Elise Askelsen about Hopf actions and Ore extensions.

Zoom details: **https://www.math.purdue.edu/~ebkaufma/seminar.html**