

Topology Seminar

Matthew Gelvin

of University of Copenhagen will be speaking on

What is a p -local finite group?

on August 9 at 4:30 in
MIT Room 2-131

Fusion systems are an algebraic description of the p -local structure of a finite group. A centric linking system is the algebraic data needed to construct a topological classifying space for a fusion system; recent work of Andy Chermak shows that in fact, every saturated fusion system has a unique associated centric linking system. The collection of these data is what is known as a p -local finite group.

In this talk, I will try to give some insight about the structure of p -local finite groups. I will also give a brief discussion of the more topological notion of retractive transfer triple, which appears to be equivalent to the data of a p -local finite group.