

Massachusetts Institute of Technology  
Department of Mathematics

**LUNCH SEMINAR FOR GRADUATE  
STUDENTS**

MONDAY, MARCH 28, 2011  
12:00 - 1:00 PM

ROOM 2-147

**Richard Melrose**  
(MIT)

**“Spin structures and singularities”**

**Abstract**

I will discuss an example of a singular geometric structure and how to think about the analysis and geometry related to it. I will start with the notion of a spin structure on a manifold, how these can fail to exist and the sorts of singular spin structures that always exist.

Followed by pizza in room 2-290