



Speaker: Jon Poelhuis
Indiana University

Wednesday, June 8, 2011
2:00 PM
258 Hurley Hall

Title: "Weighted Spaces and the Hardy-Littlewood Maximal Function."

Abstract:

The Hardy-Littlewood maximal function is a foundational operator in analysis broadly and in harmonic analysis in particular. The boundedness properties of this operator have been well-developed along many avenues. In this talk I will discuss the operator and its fundamental properties as well as some of these boundedness results, especially as they relate to Muckenhoupt's A^p weight theory.