

TEMPLE UNIVERSITY MATHEMATICS COLLOQUIUM

**Nathan Broaddus**

University of Chicago

will speak on

**The mapping class group and its Steinberg module**

ABSTRACT: I will introduce an important object associated to the mapping class group of a surface called the Steinberg module. I will give some justification for its importance and discuss how it relates to Steinberg's original module over a finite Chevalley group of Lie type, such as the special linear group over a finite field. I will provide a gentle introduction with definitions for all of the above objects.

WEDNESDAY, 11 FEBRUARY 2009

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3-5 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS