

*Department of Mathematics,
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RTG Colloquium

Benedict Gross

UCSD

On Hecke's decomposition of the regular differentials on the modular curve of level p (part I)

Abstract:

In a series of papers, E. Hecke described the representation of the group $SL(2, p)$ on the regular differentials of the modular curve X of level p . This was one of the first applications of character theory outside of finite group theory, and one of the first constructions of representations using cohomology. I will review Hecke's results, and interpret them in the modern language of automorphic representations.

Organizers: Algebra/Algebraic Geometry/Number Theory RTG Group

Thursday, October 6, 2016

4:00 PM

AP&M 6402
