

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

# Waldspurger's formula and a strange relative trace formula

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Monday, February 5 at 4:15 pm  
111 Cummington Mall, MCS B21  
Tea and cookies in MCS 144 at 4:00 pm

**Abstract:** I will present a new proof of Waldspurger's formula for toric periods of automorphic forms on  $PGL_2$ . The method involves an unusual comparison between two relative trace formulas, which I will explain in some detail. I will also present some work in progress generalizing this approach to higher rank orthogonal groups.