

Philadelphia Area Number Theory Seminar

Dianbin Bao
Temple University

Polynomial identities between Hecke eigenforms

Abstract: This talk will focus on polynomial identities between Hecke eigenforms. In particular we will show that assuming Maeda's conjecture, then all solutions to the equation $X^2 = \sum a_i Y_i$ in terms of Hecke eigenforms for $SL_2(\mathbb{Z})$ or SLX