

Philadelphia Area Number Theory Seminar

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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 $X^2 = \sum a_j Y_j$ in terms of Hecke eigenforms for $SL_2(\mathbb{Z})$ or SLX