

p^r -Selmer companion modular forms

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Abstract

Given two elliptic curves E_1 and E_2 over a number field K , Mazur and Rubin have defined them to be n -Selmer companion if for every quadratic twist χ of K , the n -Selmer group of E_1^χ and E_2^χ over K are isomorphic. We will discuss an analogue of this for modular forms.

This talk is based on a joint work with Sudhanshu Shekhar and Dipramit Majumdar