

Iwasawa Theory for Asai Representations and the Adjoint of a Modular Form

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I will report on an ongoing project with Giada Grossi and Sarah Zerbes in which we construct Euler systems for the Galois representations appearing in the cohomology of Hilbert modular surfaces, and relate these to special values of Asai L-functions. I will also explain an application of these results to the symmetric square of a modular form.

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