

**Number theory and Representation
Theory seminar, Fall 2007
East Hall 4096
October 22, 3:10-5:00pm
(tea break at 4pm)**

The rigid-analytic Shimura lifting

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Abstract

Coleman and Mazur (et al.) constructed a rigid-analytic space called the eigencurve whose points classify (in a precise sense) all overconvergent p -adic modular forms of finite slope. Recently, we constructed an analogue of this object for modular forms of half-integral weight. In this talk we will discuss the construction of a rigid-analytic map from our eigencurve to that of Coleman and Mazur that interpolates the classical Shimura lifting at classical points.