

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

Overconvergent modular forms and perfectoid modular curves

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Monday, Sep 29 at 4:15 pm
111 Cummington Street, MCS B21
Tea and cookies in MCS 144 at 4:00 pm

Abstract: I'll describe a new approach to overconvergent modular forms and the overconvergent Eichler-Shimura map which makes consistent use of Scholze's perfectoid modular curves. This is the nonarchimedean analogue of the " $cz + d$ " interpretation of classical holomorphic modular forms. Joint work with Przemyslaw Chojecki and Christian Johansson.