

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

# The eigencurve is proper

Hansheng Diao

(Harvard)

Monday, Apr 7 at 4:15 pm  
111 Cummington Street, MCS B21  
Tea and cookies in MCS 144 at 4:00 pm

**Abstract:** We prove that the Coleman-Mazur eigencurve  $\mathcal{C}_{p,N}$  is proper over the weight space for any primes  $p$  and tame level  $N$ .