

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

Langlands functoriality via L-functions

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Monday, February 4 at 4:15 pm
111 Cummington Mall, MCS B21
Tea and cookies in MCS 144 at 4:00 pm

Abstract: Langlands functoriality predicts maps between automorphic forms on different groups, dictated by a map of L-groups. One important class of such maps are endoscopic liftings, established by Arthur using the trace formula. In this talk I describe an approach to endoscopic lifting that does not use the trace formula. Instead it relies on the converse theorem of Cogdell and Piatetski-Shapiro and on new integral representations of L-functions of Cai, Friedberg, Ginzburg and Kaplan.