

1125-11-2105

Terrence Richard Blackman* (tblackman@mec.cuny.edu), Department of Mathematics,
Medgar Evers College, 1650 Bedford Ave., Brooklyn, NY 11225. *Spectral correspondences for
Maass waveforms on quaternion groups.*

We prove that in most cases the Jacquet-Langlands correspondence between newforms for Hecke congruence groups and newforms for quaternion orders is a bijection. Our proof covers almost all cases where the Hecke congruence group is of cocompact type, i.e. when a bijection is possible. The proof uses the Selberg trace formula. (Received September 19, 2016)