

1145-11-2949      **Terrence Richard Blackman\*** (tblackman@mec.cuny.edu), 1638 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 25, 2018)