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**Terrence Richard Blackman\*** (tblackman@mec.cuny.edu), 1650 Bedford Avenue, 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 August 25, 2017)