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MC 4430, New York, NY 10027. *Matching of Hecke operators for exceptional dual groups.*

Let \mathbf{G} be a split algebraic group of type E_n defined over a p -adic field. This group contains a dual pair $G \times G'$ where one of the groups is of type G_2 . The minimal representation of G , when restricted to the dual pair, gives a correspondence of representations of the two groups in the dual pair. We prove a matching of spherical Hecke algebras of G and G' , when acting on the minimal representation. This implies that the correspondence is functorial, in the sense of Arthur and Langlands, for spherical representations. (Received September 16, 2013)