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Ralf Schmidt* (rschmidt@math.ou.edu), Department of Mathematics, University of Oklahoma, Norman, OK 73019. *Archimedean Bessel models for $GSp(4)$.*

Differential equation techniques are employed to obtain uniqueness and existence criteria for split and non-split Bessel models of holomorphic discrete series representations of $GSp(4, \mathbb{R})$. This is joint work with Ameya Pitale. (Received August 25, 2008)