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*On genuine omega regular unitary representations of  $\mathrm{Mp}(2n)$*

We discuss a class of genuine unitary representations of the Metaplectic group. We will present some results of the authors on the minimal principal series of  $\mathrm{Mp}(2n)$  and then use them to parametrize the omega regular genuine unitary representations of this group. These are representations with infinitesimal character at least as regular as the metaplectic representation. The classification uses a generalized definition of  $A_q(\lambda)$  representations. The proofs use a combination of arguments originally developed by Barbasch and Vogan and detailed in other publications by Pantano, Paul and Salamanca-Riba.

This work is joint work with A. Pantano and A. Paul.