

1128-11-198

**Brooks Roberts\*** (brooksr@uidaho.edu) and **Ralf Schmidt**. *The structure of newforms in metaplectic representations*. Preliminary report.

The local analogues of modular forms of half-integral weight are certain vectors in irreducible genuine representations of the metaplectic group. As for  $GL(2)$  and  $GSp(4)$ , these local vectors admit a new- and oldforms structure. However, in contrast to the case of  $GL(2)$  and  $GSp(4)$ , there can be more than one newform, and in fact the number of newforms is the number of square classes with respect to which the representation admits a Whittaker model. In this talk we describe results about the structure of these newforms. (Received February 26, 2017)