

1093-51-253

**Todd A. Drumm\*** (todd.drumm@gmail.com) and **Caleb J. Ashley**. *Rank three discreteness algorithm for  $PSL(2,R)$ .*

The extension of the discreteness algorithm for rank 2 subgroups of  $PSL(2,R)$ , by Rosenberger, Purzitsky, Gilman and Maskit, can not be directly extended to rank 3 groups. We will review the rank 2 algorithm and discuss recent work on the rank 3 algorithm. (Received August 16, 2013)