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Caleb J. Ashley* (caleb.j.ashley@howard.edu). *Toward a discreteness algorithm for rank 3 non-elementary subgroups of $PSL(2, R)$.*

Let Γ be a rank 3 non-elementary subgroup of $PSL(2, R)$. The motivation for this talk is the pursuit of sufficient conditions for a discreteness algorithm for the subgroup Γ . A discreteness algorithm for Γ generated by 3 parabolic elements is presented. (Received September 17, 2013)