TOWARD A DISCRETENESS ALGORITHM FOR NON-ELEMENTARY RANK 3 SUBGROUPS OF $PSL(2, \mathbb{R})$.

Let Γ be a rank 2 non-elementary subgroup of $PSL(2, \mathbb{R})$. J. Gilman and B. Maskit developed a discreteness algorithm for Γ in the mid 90's. I intend to share some efforts to pursue sufficient conditions for a discreteness algorithm as above with Γ rank 3. A discreteness algorithm for Γ generated by 3 parabolic elements is presented.

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