



## **ON DISCRETENESS OF 2-GENERATOR SUBGROUPS OF $\mathrm{PSL}(2, \mathbb{C})$**

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It is well known that the group  $\mathrm{PSL}(2, \mathbb{C})$  acts on the hyperbolic 3-space  $\mathbb{H}^3$  as the group of all orientation preserving isometries. Every element in  $\mathrm{PSL}(2, \mathbb{C})$  is elliptic, parabolic, or loxodromic. It was shown by Jørgensen [1], that a nonelementary group  $G < \mathrm{PSL}(2, \mathbb{C})$  is discrete if and only if each 2-generator subgroup of  $G$  is discrete.

We will represent a sufficient discreteness conditions for groups with two nonparabolic generators obtained in [2, 3]. Using these results we will give a partial answer to the Maskit's question [4] about the discreteness of some family of 2-generator groups.

### REFERENCES

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