

ON DISCRETENESS CONDITIONS FOR MASKIT 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. It was shown by T. Jørgensen [1], that a nonelementary subgroup G of $\mathrm{PSL}(2, \mathbb{C})$ is discrete if and only if each 2-generator subgroup of G is discrete.

A subgroup $\langle f, g \rangle$ of $\mathrm{PSL}(2, \mathbb{C})$ is called *Maskit group* if the element f has two fixed points $z_1, z_2 \in \partial\mathbb{H}^3$ and $g(z_1) = z_2$. B. Maskit and E. Klimenko investigated the discreteness of these groups in [2, 3]. We will represent new necessary and sufficient discreteness conditions for Maskit groups.

REFERENCES

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The author is partially supported by Laboratory of Quantum Topology of Chelyabinsk State University (Russian Federation government grant 14.Z50.31.0020), Russian Foundation for Basic Research (grant 13-01-00513) and Leading Scientific Schools and Junior Scientists of Russian Federation (grant N.Sh.-1015.2014.1).