

ON JØRGENSEN, GEHRING — MARTIN — TAN AND TAN NUMBERS FOR GROUPS OF FIGURE-EIGHT ORBIFOLDS

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The Jørgensen, Gehring — Martin — Tan and Tan numbers are defined for every 2-generator subgroup of the group $\mathrm{PSL}(2, \mathbb{C})$. These numbers arise in necessary discreteness conditions for 2-generator subgroups. We will discuss exact values and two-sided bounds on the above numbers for groups of hyperbolic orbifolds with singularities along the figure-eight knot. This talk is based on the joint work [1] with Andrei Vesnin.

REFERENCES

- [1] A. Yu. Vesnin, A. V. Masley, “On Jørgensen numbers and its analogs for groups of figure-eight orbifolds”, *Siberian Mathematical Journal*, Vol. 55, No. 5, 989–1000, 2014.

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