



GROWTH SERIES OF THE COMPLEX REFLECTION GROUP

$$\langle a^4 = b^2 = c^4 = 1, (ab)^2 = (ba)^2, (bc)^2 = (cb)^2, ac = ca \rangle$$

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Abstract

We give the growth series of the complex reflection group

$$\langle a^4 = b^2 = c^4 = 1, (ab)^2 = (ba)^2, (bc)^2 = (cb)^2, ac = ca \rangle,$$

which is associated to the complex reflection group of type $G(4, 1, 2)_1$ ([V. L. Popov, Discrete complex reflection groups, Comm. of Math. Institute, Vol. 15, Rijksuniversiteit Utrecht, 1982], [G. Malle, Presentations for crystallographic complex reflection groups, Transformation Groups 1(3) (1996), 259-277]).

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