



**GROWTH SERIES OF THE MONOID IN THE BRAID GROUP
OF THE COMPLEX REFLECTION GROUP G_{27}**

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Abstract

We give the growth series of the monoid in the braid group of the complex reflection group G_{27} , which is defined by

$$\langle a, b, c \mid aca = cac, abab = baba, bcbcb = cbcbc, cbcacb = acbcac \rangle,$$

([M. Broué, G. Malle and R. Rouquier, Complex reflection groups, braid groups, Hecke algebras, J. Reine Angew. Math. 500 (1998), 127-190]).

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