



**GROWTH SERIES OF THE MONOID IN THE
GROUP $\langle ac^2 = c^2a, bc^2 = c^2b \rangle$**

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Abstract

We give the growth series of the monoid in the group $\langle a, b, c \mid ac^2 = c^2a, bc^2 = c^2b \rangle$, which is the group isomorphic to the elliptic Artin group of type $A_1^{(1,1)*}$ which is the central extension of the elliptic Weyl group of type $A_1^{(1,1)*}$ ([K. Saito and T. Takebayashi, Extended affine root systems III, Elliptic Weyl groups, Publ. Res. Inst. Math. Sci. 33(2) (1997), 301-329]).

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