



**GROWTH SERIES OF THE MONOID IN THE  
GROUP  $\langle abcabc \dots = bcabca \dots = cabcab \dots \rangle$**

Tadayoshi Takebayashi

Received April 12, 2012

**Abstract**

We give the growth series of the monoid in the group  $\langle a, b, c | abcabca = bcabcab = cabcabc \rangle$ .

**Keywords and phrases:** growth series, monoid.

**Pioneer Journal  
of Mathematics  
and Mathematical  
Sciences**



**Pioneer Scientific  
Publisher**