

Allenby, R.B.J.T.; Tang, C.Y.

The residual finiteness of a class of 1-relator groups. (English)

Glasg. Math. J. 29, 267-269 (1987).

The authors supply a proof of the fact that any group of the form

$$\langle a, b | a^m b^n a^k b^\ell = 1 \rangle$$

where $m + k \neq 0$, $n + \ell \neq 0$, is residually finite. (This was originally stated without proof by G. Baumslag, and has since been quoted in the literature.)

R.G.Burns

AMS subject classification: 20F05;20E26

Keywords: residual finiteness; 1-relator groups