Gromov's theorem

Canonical name	GromovsTheorem
Date of creation	2013-03-22 14:36:40
Last modified on	2013-03-22 14:36:40
Owner	mathcam (2727)
Last modified by	mathcam (2727)
Numerical id	6
Author	mathcam (2727)
Entry type	Theorem
Classification	msc 20Exx
Classification	msc 20Fxx

Let G be a finitely generated group.

Then, G has polynomial growth if and only if it is virtually nilpotent.

References

[1] M. Gromov, *Groups of polynomial growth and expanding maps*, Publications Mathématique d'IHÉS 53 (1981), pages 53 to 78.