



CORE GRAPHS AND HANNA NEUMANN'S CONJECTURE

W. S. Jassim

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Abstract

We use the concept of core graphs $\Gamma^*(H)$ of subgroups H of free groups F generated by the set $X = \{a, b\}$, in order to show that if $\Gamma^*(H)$ and $\Gamma^*(K)$ are core graphs of two finitely generated subgroups H and K of a free group F generated by the set $X = \{a, b\}$, then the Hanna Neumann's conjecture holds, that by using the concept of the type of compatible branch points.

Keywords and phrases: core graphs, Hanna Neumann's conjecture.

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