

MESURE ET ACTION DES I-PERMUTATIONS SUR LES MULTIGRAPHES MULTICOLORES FINIS ET INIFINIS

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Abstract

Among other results, the purpose of this article is to show the existence of an \mathbb{R} -space-vector with basis ω^i_j , i, j are integers such that every graph with n vertex $n \geq 3$ is the vector:

$$\mathcal{V}(n) = \sum_{j=0}^{n-1} \alpha_j^{n-1} \omega_j^{n-1},$$

where α_j^{n-1} is the number of sub graphs of type ω_j^{n-1} . We deduce that two graphs are isomorphic if for any measure, they have the same number of maximal proper subset with this measure.

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