
Zbl 462.05057

Erdős, Paul; Lovász, László; Spencer, Joel

Strong independence of graphcopy functions. (In English)

Graph theory and related topics, Proc. Conf. Honour W. T. Tutte, Waterloo/Ont. 1977, 165-172 (1979).

[For the entire collection see Zbl 453.00012.]

From the introduction: Let H be a finite graph on v vertices. We define a function c_H, with domain the set of all finite graphs, by letting $c_H(G)$ denote the fraction of subgraphs of G on v vertices isomorphic to H. Our primary aim is to investigate the behavior of the functions c_H with respect to each other. We show that c_H where H is restricted to be connected, are independent in a strong sense. We also show that, in an asymptotic sense, the c_H with H disconnected, may be expressed in terms of the c_H, H connected.

E.Palmer

Classification:
05C99 Graph theory

Keywords:
graphcopy functions