

SOME ISSUES ON DISJOINT COPIES OF GRAPHS IN RAMSEY THEORY

IZOLDA GORGOL

Lublin University of Technology

e-mail: i.gorgol@pollub.pl

The very well known notion of Ramsey number says that for a fixed pair of graphs (G, H) in any red-blue coloring of the edges of K_n we always find a red copy of G or a blue copy of H when n is sufficiently large. The minimum such n is called a Ramsey number. In an induced version we do not color a complete graph and look for the induced monochromatic copies of prescribed graphs. Most of graph theory problems were studied firstly for connected graphs. In the talk I will present selected results of Ramsey and induced Ramsey numbers which involves disconnected ones.