SOME RAMSEY NUMBERS AND RAMSEY (MK_2, H)-MINIMAL GRAPHS

Edy Tri Baskoro

Combinatorial Mathematics Research Group
Faculty of Mathematics and Natural Sciences
Institut Teknologi Bandung, Jalan Ganesa 10 Bandung 40132 Indonesia
e-mail: ebaskoro@math.itb.ac.id

In the first talk, we shall give a survey on the finding of Ramsey numbers $R(G, H)$ if one of G and H is a wheel. We also discuss the Ramsey numbers $R(G, H)$ if either G or H is a union of graphs.

In the second talk, we will derive the necessary and sufficient conditions of Ramsey $(mK_2, H)-$minimal graphs. We will also determine all Ramsey $(mK_2, H)-$minimal graphs for some particular graphs H. Some construction methods of such Ramsey minimal graphs from the existing (smaller) Ramsey minimal graphs are also presented.