



Ramsey Number for Graphs

Professor Edy Tri Baskoro, Institut Teknologi Bandung

Date: Wednesday, October 28, 2015

Time: 3:30-4:30pm

Venue: NIE 7-03-16 (MME Journal room)

Abstract: Ramsey theory first appeared in the context of propositional logic (1928). This theory became famous after Paul Erdos and George Szekeres (1935) applied it in graph theory. Finding the exact value of classical Ramsey numbers $R(m; n)$ has received a lot of attention. However, the results are still far from satisfactory. On the other hand, graph Ramsey theory as one of its generalisations has grown enormously in the last four decades to become presently one of the most active areas in Ramsey theory. For any graphs G and H , the Ramsey number $R(G; H)$ is denoted as the least integer t such that any red-blue colouring on the edges of K_t yields either a red G or a blue H as a subgraph. The Ramsey number $R(G; H)$ has been studied for various pairs of G and H . In this talk, we shall give a survey on the determination 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.

About the speaker: Dr. EDY TRI BASKORO is a professor at Institut Teknologi Bandung, Indonesia, and also a conjoint professor at the University of Newcastle, Australia and the GC University, Lahore, Pakistan. His main research interests are in Combinatorics and he has published more than 100 journal papers. He is currently the President of the South East Asia Mathematical Society (SEAMS).

All are Welcome!

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