

The Ramsey numbers of large cycles versus odd wheels

Surahmat^{*}, E.T.Baskoro^{**}, Ioan Tomescu^{***}

^{*} Department of Mathematics Education,
Universitas Islam Malang,
Jalan MT Haryono 193, Malang 65144, Indonesia.
caksurahmat@yahoo.com

^{**} Department of Mathematics,
Insitut Teknologi Bandung,
Jalan Ganesa 10, Bandung, Indonesia.
ebaskoro@dns.math.itb.ac.id

^{***} Faculty of Mathematics and Computer Science,
University of Bucharest,
Str. Academiei, 14, 010014 Bucharest, Romania.
ioan@fmi.unibuc.ro

ABSTRACT

For given graphs G and H , the *Ramsey number* $R(G;H)$ is the smallest positive integer N such that for every graph F of order N the following holds: either F contains G as a subgraph or the complement of F contains H as a subgraph. In this paper, we determine the Ramsey number $R(C_n;W_m) = 3n - 2$ for odd $m \geq 5$ and $n > \frac{5m - 9}{2}$.

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