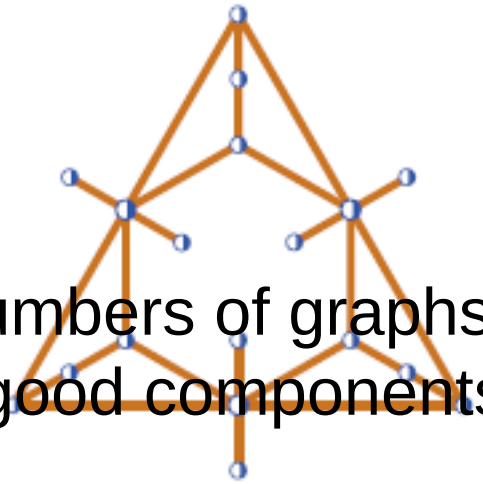
Bled'11 - 7th Slovenian International Conference on Graph Theory

Contribution ID : 137



Ramsey numbers of graphs with some good components

Content :

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The graph H is G-good if the Ramsey number for the pair of
graphs G and H is expressed as follows:
$R(G,H)=(\chi (G)-1)(|V(H)|-1)+s(G),$
where $\chi(G)$ is the chromatic number of G and $s(G)$ is the minimum
cardinality of colour classes over all
chromatic colourings of $V(G).$

We give the Ramsey number for a disjoint union of some G-good
graphs versus a graph with components isomorphic to G
generalizing the results of Stahl [On the Ramsey number $r(F,K_m)$ where F is a
forest, Canad. J. Math. 27 (1975) pp.585--589], Baskoro et al.
[Note. The Ramsey number for disjoint unions of trees,
Discrete Math. 306 (2006) pp.3297--3301], Lin et al. [Ramsey
goodness and generalized stars, Europ. J. Combin. 31 (2010)
1228--1234],
and the previous results of the author [Ramsey numbers for a disjoint union of
some graphs, Appl. Math. Lett. 22(2009)
pp.475--477; Ramsey numbers for a disjoint
union of good graphs, Discrete Math. 310(2010)
pp.1501--1505].

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Session classification : --not yet classified--

Track classification : Coloring, independence and forbidden subgraphs

Type : Oral presentation