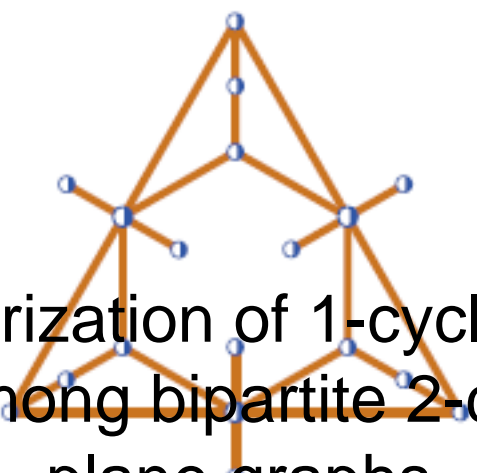


Bled'11 - 7th Slovenian International Conference on Graph Theory

Contribution ID : 17



A characterization of 1-cycle resonant graphs among bipartite 2-connected plane graphs

Content :

A graph G is said to be 1-cycle resonant if the graph G contains a cycle and every cycle in G is alternating. It is proved that a bipartite 2-connected plane graph G in which the common boundary of adjacent faces is a simple curve is 1-cycle resonant if and only if the outer face of G is alternating and each inner vertex has degree two.

Primary authors : Dr. SALEM, Khaled (The British University in Egypt)

Co-authors : Prof. KLAVV{Z}AR, Sandi (University of Ljubljana)

Presenter : Dr. SALEM, Khaled (The British University in Egypt)

Session classification : --not yet classified--

Track classification : Mathematical Chemistry

Type : Oral presentation