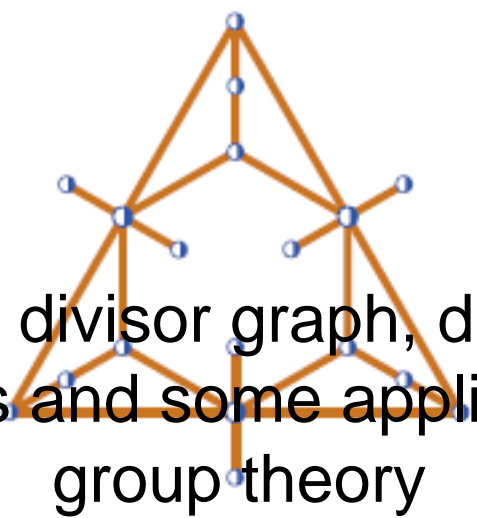


# Bled'11 - 7th Slovenian International Conference on Graph Theory

Contribution ID : 50



## Bipartite divisor graph, definition, properties and some applications in group theory

### Content :

In this paper we introduce bipartite divisor graph for a non-empty set of positive integers. Then we prove some of its properties such as diameter, girth and so on. Our next aim is to give a construction of bipartite divisor graph for the product of two sets of positive integers. Also some properties of this graph and applications in group theory are given.

**Primary authors** : Prof. IRANMANESH, Mohammadali (Yazd University)

**Co-authors** : Mrs. HAFEZIEH, Roghayeh (PhD student)

**Presenter** : Prof. IRANMANESH, Mohammadali (Yazd University)

**Session classification** : --not yet classified--

**Track classification** : General session

**Type** : Oral presentation