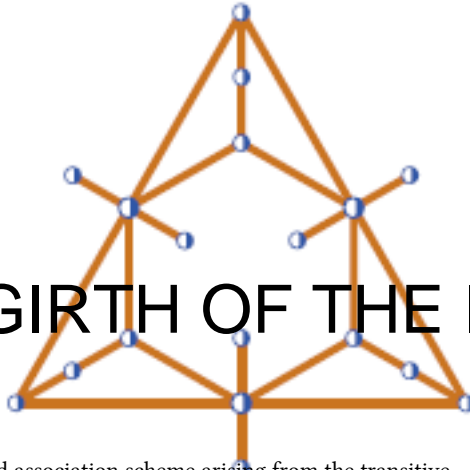


Bled'11 - 7th Slovenian International Conference on Graph Theory

Contribution ID : 63

ON THE GIRTH OF THE IP-GRAPH



Content :

The IP-graph of a naturally valenced association scheme arising from the transitive action of a group G on a set X is an undirected graph with the vertex set $\{n_s | s \text{ belongs to } S\}$, each n_s is the size of an orbital of G , such that two distinct vertices n_r, n_s are joined by an edge if n_r, n_s are not coprime. Some of the properties of this graph has been studied recently. In this paper we investigate some properties about the girth of this graph.

Primary authors : Mrs. HAFEZIEH, Roghayeh (Phd student of Yazd university, Yazd, Iran)

Co-authors : Mr. IRANMANESH, Mohammadali (Yazd university, Iran)

Presenter : Mrs. HAFEZIEH, Roghayeh (Phd student of Yazd university, Yazd, Iran)

Session classification : --not yet classified--

Track classification : Association Schemes

Type : Oral presentation