

ENTIRE PATHOS EDGE SEMI-ENTIRE BLOCK GRAPH

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ABSTRACT

In this paper, we introduce the concept of entire pathos edge semi-entire block graph of a tree $E_{Pe}(T)$. We obtain some properties of this graph. We study the characterization of graphs whose entire pathos edge semi-entire block graphs are always planar, minimally nonouter planar, crossing number one. Further, we also establish the characterization for $E_{Pe}(T)$ to be Hamiltonian and noneulerian.

KEYWORDS: Block Graph, Edge Semi Entire Graph, Inner Vertex Number, Line Graph