

different practical considerations. They are not only of theoretical interests but have many practical implications also. For many applications, the edges or vertices of a given graph are given labels that are meaningful in the context. This book discusses a particular type of set-labeling, called sumset labeling of graphs. As sumsets can be defined only for number sets, the study on sumset theory and hence the sumset labeling acquires their own beauty and restrictions. In the theory of sumset labeling, different set-labeled graphs are characterised in terms of the elements (numbers) contained in the set-labels, cardinalities of the set-labels and the structural properties of graphs in accordance with the sumset theory. We strongly believe that the study has immense potential and applicability in many practical or real-life situations.

Discrete Books Series)



Sudev Naduvath
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An Introduction to Sumset Valued Graphs

(Theory and Applications)

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A book entitled "An Introduction to Sumset-valued Graphs" authored by Dr N K Sudev (Associate Professor, Department of Applied Sciences) jointly with Dr K A Germina (Professor of Mathematics, Central University of Kerala) has been published by Lambert Academic Publishers, Germany. Dr Sudev is the Coordinator of the Centre for Studies in Discrete Mathematics (CSDM), a specialist centre in the Applied Sciences Dept of the College devoted to pursuing research in all areas of discrete mathematics. The present publication is a major achievement for the CSDM.