



Polygroup Theory and Related Systems

Bijan Davvaz

Download now

[Click here](#) if your download doesn't start automatically

Polygroup Theory and Related Systems

Bijan Davvaz

Polygroup Theory and Related Systems Bijan Davvaz


This monograph is devoted to the study of Polygroup Theory. It begins with some basic results concerning group theory and algebraic hyperstructures, which represent the most general algebraic context, in which reality can be modeled. Most results on polygroups are collected in this book. Moreover, this monograph is the first book on this theory. The volume is highly recommended to theoreticians in pure and applied mathematics.

Contents:

- ***A Brief Excursion into Group Theory:***
 - Introduction
 - The Abstract Definition of a Group and Some Examples
 - Subgroups
 - Normal Subgroups and Quotient Groups
 - Group Homomorphisms
 - Permutation Groups
 - Direct Product
 - Solvable and Nilpotent Groups
- ***Hypergroups:***
 - Introduction and Historical Development of Hypergroups
 - Definitions and Examples of Hypergroups
 - Some Kinds of Subhypergroups
 - Homomorphisms of Hypergroups
 - Regular and Strongly Regular Relations
 - Complete Hypergroups
 - Join Spaces
- ***Polygroups:***
 - Definition and Examples of Polygroups
 - Extension of Polygroups by Polygroups
 - Subpolygroups and Quotient Polygroups
 - Isomorphism Theorems of Polygroups
 - γ_* Relation on Polygroups
 - Generalized Permutations
 - Permutation Polygroups
 - Representation of Polygroups
 - Polygroup Hyperrings
 - Solvable Polygroups
 - Nilpotent Polygroups
- ***Weak Polygroups:***
 - Weak Hyperstructures
 - Weak Polygroups as a Generalization of Polygroups
 - Fundamental Relations on Weak Polygroups
 - Small Weak Polygroups
- ***Combinatorial Aspects of Polygroups:***

- Chromatic Polygroups
- Polygroups Derived from Cogroups
- Conjugation Lattice

Readership: Graduate students and researchers in algebraic hyperstructures and applications.

 [Download Polygroup Theory and Related Systems ...pdf](#)

 [Read Online Polygroup Theory and Related Systems ...pdf](#)

Download and Read Free Online Polygroup Theory and Related Systems Bijan Davvaz

From reader reviews:

David Musick:

As people who live in often the modest era should be upgrade about what going on or facts even knowledge to make these keep up with the era which can be always change and move ahead. Some of you maybe will update themselves by looking at books. It is a good choice in your case but the problems coming to an individual is you don't know what type you should start with. This Polygroup Theory and Related Systems is our recommendation so you keep up with the world. Why, because this book serves what you want and need in this era.

James Matter:

Typically the book Polygroup Theory and Related Systems will bring someone to the new experience of reading a book. The author style to describe the idea is very unique. Should you try to find new book you just read, this book very suitable to you. The book Polygroup Theory and Related Systems is much recommended to you to see. You can also get the e-book through the official web site, so you can more readily to read the book.

Randall Rearick:

Beside this particular Polygroup Theory and Related Systems in your phone, it can give you a way to get more close to the new knowledge or details. The information and the knowledge you might got here is fresh from your oven so don't possibly be worry if you feel like an old people live in narrow small town. It is good thing to have Polygroup Theory and Related Systems because this book offers to your account readable information. Do you oftentimes have book but you seldom get what it's exactly about. Oh come on, that will not end up to happen if you have this inside your hand. The Enjoyable option here cannot be questionable, similar to treasuring beautiful island. So do you still want to miss it? Find this book and read it from now!

Donald Oakes:

What is your hobby? Have you heard this question when you got scholars? We believe that that concern was given by teacher to their students. Many kinds of hobby, Everyone has different hobby. Therefore you know that little person like reading or as examining become their hobby. You should know that reading is very important and also book as to be the point. Book is important thing to incorporate you knowledge, except your current teacher or lecturer. You find good news or update regarding something by book. Many kinds of books that can you choose to adopt be your object. One of them is niagra Polygroup Theory and Related Systems.

Download and Read Online Polygroup Theory and Related Systems
Bijan Davvaz #36JN4LRUSCM

Read Polygroup Theory and Related Systems by Bijan Davvaz for online ebook

Polygroup Theory and Related Systems by Bijan Davvaz Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Polygroup Theory and Related Systems by Bijan Davvaz books to read online.

Online Polygroup Theory and Related Systems by Bijan Davvaz ebook PDF download

Polygroup Theory and Related Systems by Bijan Davvaz Doc

Polygroup Theory and Related Systems by Bijan Davvaz Mobipocket

Polygroup Theory and Related Systems by Bijan Davvaz EPub