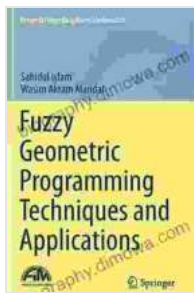


# Fuzzy Geometric Programming: Techniques and Applications

Fuzzy geometric programming is a powerful tool for solving complex, real-world problems. It is a combination of fuzzy set theory and geometric programming, which allows for the incorporation of uncertainty and imprecision into the decision-making process.



## Fuzzy Geometric Programming Techniques and Applications (Forum for Interdisciplinary Mathematics)

★★★★★ 5 out of 5

Language : English

File size : 6554 KB

Print length : 380 pages



This book provides a comprehensive to the theory and applications of fuzzy geometric programming, with a focus on practical problem-solving techniques. It covers the following topics:

- An overview of fuzzy set theory and geometric programming
- The theory of fuzzy geometric programming
- Fuzzy geometric programming models for various applications
- Solution techniques for fuzzy geometric programming problems
- Case studies of fuzzy geometric programming applications

This book is essential reading for researchers, practitioners, and students who are interested in using fuzzy geometric programming to solve complex, real-world problems.

## **Benefits of Fuzzy Geometric Programming**

Fuzzy geometric programming offers a number of benefits over traditional optimization techniques, including:

- The ability to incorporate uncertainty and imprecision into the decision-making process
- The ability to handle complex, nonlinear problems
- The ability to provide robust solutions that are not sensitive to changes in the input data

## **Applications of Fuzzy Geometric Programming**

Fuzzy geometric programming has been successfully applied to a wide range of problems, including:

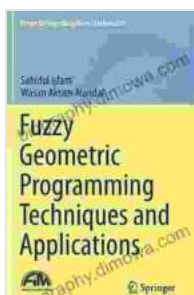
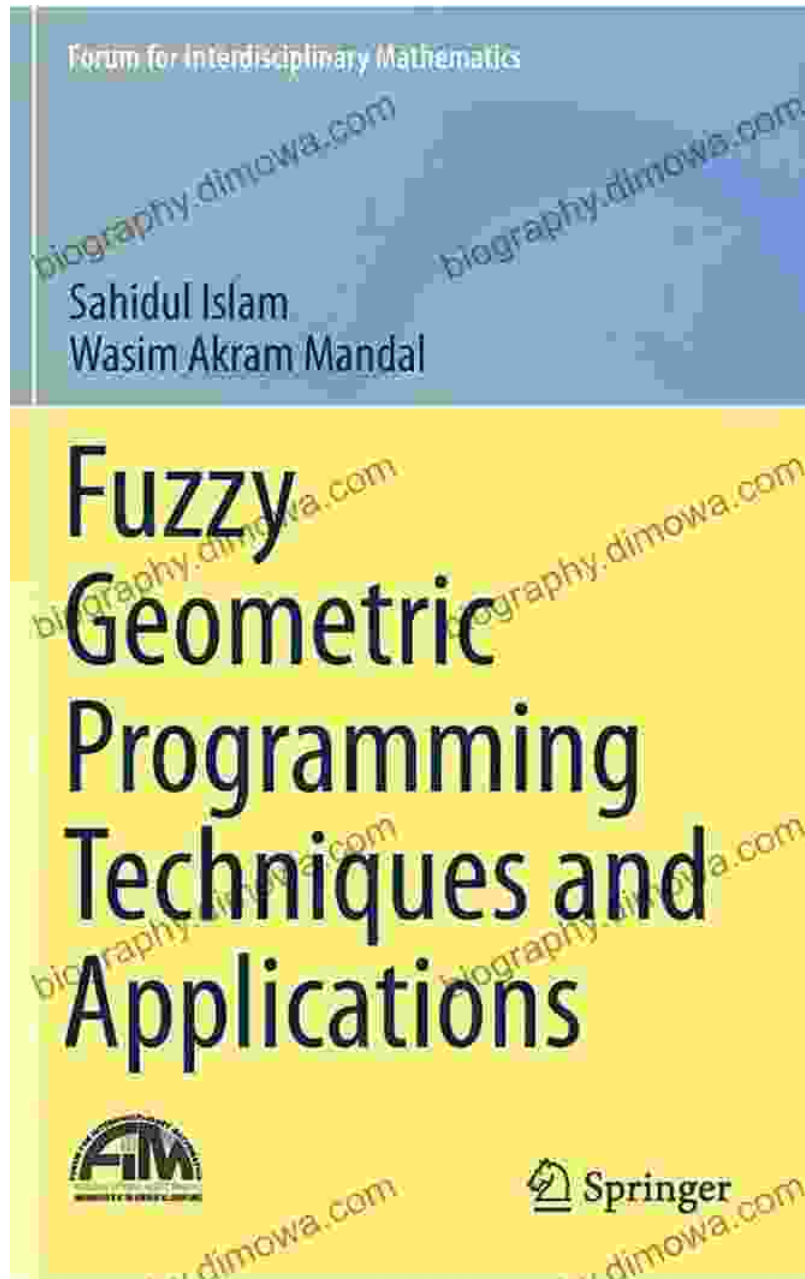
- Portfolio optimization
- Supply chain management
- Manufacturing planning
- Financial planning
- Environmental planning

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applications of fuzzy geometric programming, with a focus on practical problem-solving techniques. It is essential reading for researchers, practitioners, and students who are interested in using fuzzy geometric programming to solve complex, real-world problems.

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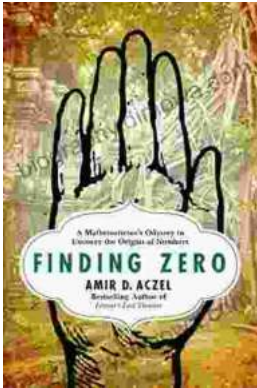
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