discrete mathematics richard johnsonbaugh

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Intro

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Intro

Why this book is so good

Table of Contents

Exercises

Weight

Difficulty

Proofs

OnetoOne

Syllabus

Conclusion

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Basics of Discrete Mathematics Part 1

Introduction to Discrete mathematics

Introduction to Set Theory

Types of Sets

Operations on Sets

Laws of Set Algebra

Sums on Algebra of Sets

Relations

Types of relations

Closure properties in relations

Equivalence relation

Partial ordered Relation

Functions

Types of Functions

Identity Functions

Composite Functions

Mathematical Functions

Summary of Basics of Discrete Mathematics Part 1

Basics of Discrete Mathematics Part 2

Introduction to Counting Principle

Sum and Product Rule

Pigeon-hole principle

Permutation and combination

Propositional logic

Connectives

Tautology

Contradiction

Contingency

Propositional equivalence

Inverse. Converse and contrapositive

Summary of Basics of Discrete Mathematics Part 2

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Arithmetic in Binary

Octal and Hexadecimal

Using Number Bases Steganography

Arithmetic other bases

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Modular Arithmetic

Multiplication on Modular Arithmetic

Summary

Using Modular Arithmetic

Introduction to Sequences and Series

Defining Sequences

Arithmetic and Geometric progressions

Using Sequences

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Series

Convergence or Divergence of sequence infinite series

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Coordinates lines in the plane and graphs

Functions and Graphs

Transformations of Graphs

Kinematics

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It's about

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The Science of Patterns

Arithmetic Number Theory

Banach-Tarski Paradox

The man saw the woman with a telescope

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What Discrete Mathematics Is

Circles

The Discrete Math Book I Used for a Course - The Discrete Math Book I Used for a Course by The Math Sorcerer 15,155 views 4 years ago 2 minutes, 23 seconds - The **Discrete**, Math Book I Used for a Course This is the book on amazon: https://amzn.to/2Wcs7Pc This is my affiliate link.

Intro

Table of Contents

Exercises

Conclusion

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Lots of terminology, but remember the big picture!

Characteristic Function

Composite Functions

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Table of Contents

Topics

Readability

Exercises

Proofs

Search filters

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Playback

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Richard F. Johnsonbaugh (born 1941) is an American mathematician and computer scientist. His interests include discrete mathematics and the history of... 3 KB (266 words) - 23:13, 6 February 2023 312-318. doi:10.1007/BF01386232. S2CID 127891023. Johnsonbaugh, Richard (2004). Discrete Mathematics. Prentice Hall. ISBN 978-0-13-117686-7. Hofstadter... 30 KB (3,664 words) - 15:30, 16 February 2024

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