

# A Textbook Of Discrete Mathematics Swapan Kumar Sarkar

[#Discrete Mathematics](#) [#Swapan Kumar Sarkar](#) [#Discrete Math textbook](#) [#Mathematics for Computer Science](#) [#Undergraduate Math book](#)

Explore the foundational concepts of discrete mathematics with this authoritative textbook by Swapan Kumar Sarkar. Ideal for undergraduate students in computer science, engineering, and mathematics, it offers comprehensive coverage with clear explanations and illustrative examples to master essential topics.

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A Textbook Of Discrete Mathematics Swapan Kumar Sarkar

Discrete Mathematics Book for Self-Study - Discrete Mathematics Book for Self-Study by The Math Sorcerer 29,274 views 4 months ago 4 minutes, 58 seconds - If you enjoyed this video please consider liking, sharing, and subscribing. Udemy Courses Via My Website: ...

Amazing Discrete Math Book for Beginners - Amazing Discrete Math Book for Beginners by The Math Sorcerer 64,956 views 3 years ago 9 minutes, 54 seconds - In this video I go over a book that several people kept recommending. I finally decided to buy it and I worked through it and read ...

Intro

Why this book is so good

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Exercises

Weight

Difficulty

Proofs

OnetoOne

Syllabus

Conclusion

Discrete Math Book for Beginners - Discrete Math Book for Beginners by The Math Sorcerer 18,403 views 3 years ago 13 minutes - This is a really good **discrete**, math book for beginners. I think this is easier to read than some of the other **discrete**, math **books**, out ...

Intro

Contents

Sections

Writing

Languages Finite State Machines

Graph Theory

The Discrete Math Book I Used for a Course - The Discrete Math Book I Used for a Course by The Math Sorcerer 15,179 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

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Exercises

Conclusion

Teach Yourself Discrete Math with This Book - Teach Yourself Discrete Math with This Book by The Math Sorcerer 25,134 views 1 year ago 9 minutes, 54 seconds - This is a video where I go over one of my **discrete**, math **books**,. This is a fairly solid book and while it is not perfect, I do think it is a ...

Symmetric Difference of Sets

Table of Contents

Sets and Subsets

Answers to Odd Numbered Exercises

Section on Groups and Semi Groups

Chapter 9

On the Division of Integers

Discrete Mathematics Book I Used for Self Study - Discrete Mathematics Book I Used for Self Study by The Math Sorcerer 15,655 views 4 years ago 4 minutes, 51 seconds - This is a book that I used for self study when I was learning **discrete mathematics**,. In this video I go over the pros and cons of this ...

Introduction

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Topics

Readability

Exercises

Proofs

5 Amazing Affordable Math Books for Beginners - 5 Amazing Affordable Math Books for Beginners by The Math Sorcerer 33,648 views 1 year ago 11 minutes, 25 seconds - In this video I will show you 5 math **books**, on 5 different subjects: Complex Variables, Number Theory, Calculus, **Discrete**, Math, ...

Intro

Applied Complex variables

Number theory

Calculus

Discrete Mathematics

Topology

Conclusion

Discrete Mathematics for Computer Science - Discrete Mathematics for Computer Science by The Math Sorcerer 11,770 views 1 year ago 8 minutes, 35 seconds - In this video I will show you an older book on **Discrete Mathematics**,. This is a course that Computer Science majors take in college ...

Complete DM Discrete Maths in one shot | Semester Exam | Hindi - Complete DM Discrete Maths in one shot | Semester Exam | Hindi by KnowledgeGATE by Sanchit Sir 156,156 views 2 months ago 6 hours, 47 minutes - \*\*\*\*\* Content in this video: 00:00

Chapter-0 (About this video) 02:03 Chapter-1 ...

Chapter-0 (About this video)

Chapter-1 (Set Theory)

Chapter-2 (Relations)

Chapter-3 (POSET & Lattices)

Chapter-4 (Functions)

Chapter-5 (Theory of Logics)

Chapter-6 (Algebraic Structures)

Chapter-7 (Graphs)

Chapter-8 (Combinatorics)

Discrete Mathematics (Full Course) - Discrete Mathematics (Full Course) by My Lesson 253,723 views 1 year ago 6 hours, 8 minutes - Discrete mathematics, forms the mathematical foundation of computer and information science. It is also a fascinating subject in ...

Introduction Basic Objects in Discrete Mathematics

partial Orders

Enumerative Combinatorics

The Binomial Coefficient

Asymptotics and the o notation

Introduction to Graph Theory

Connectivity Trees Cycles

Eulerian and Hamiltonian Cycles

Spanning Trees

Maximum Flow and Minimum cut

Matchings in Bipartite Graphs

Discrete Math - 1.7.3 Proof by Contradiction - Discrete Math - 1.7.3 Proof by Contradiction by Kimberly Brehm 114,715 views 4 years ago 9 minutes, 40 seconds - Exploring a method of proof known as contradiction where we assume  $p$  and not  $q$ , then work to show either if  $p$  then  $q$  or if not  $q$  ...

Introduction

What is Proof by Contradiction?

Proof by Contradiction with One Proposition

Contradiction Using an Implication

Up Next

#008 by Mezlha Bikaash 145,683 views 3 years ago 12 minutes, 42 seconds - (01827734142) ...

Discrete Math - 2.1.1 Introduction to Sets - Discrete Math - 2.1.1 Introduction to Sets by Kimberly Brehm 128,490 views 4 years ago 12 minutes, 42 seconds - Introduction to different types of set notation and the commonly used sets of numbers. Video Chapters: Introduction 0:00 ...

Introduction

Vocabulary

Sets You Should Know

Set Notation

Special Sets

Up Next

DIRECT PROOFS - DISCRETE MATHEMATICS - DIRECT PROOFS - DISCRETE MATHEMATICS by TrevTutor 461,245 views 9 years ago 7 minutes, 24 seconds - We introduce proofs by looking at the most basic type of proof, a direct proof. Visit our website: <http://bit.ly/1zBPlvm> Subscribe on ...

Direct Proof.

Prove: If  $x$  is odd,  $x^2$  is odd

Prove: If  $x, y$  are odd, then  $xy$  is odd.

Prove: If  $x, y$  are odd, then  $xy$  is odd.  $xay$

Discrete Math - 2.4.1 Introduction to Sequences - Discrete Math - 2.4.1 Introduction to Sequences by Kimberly Brehm 106,194 views 4 years ago 11 minutes, 46 seconds - Exploring what a sequence is, in addition to learning the Arithmetic and Geometric sequences. Video Chapters: Introduction 0:00 ...

Introduction

What are Sequences?

Arithmetic Sequences

Geometric Sequences

Up Next

Counting principles - rule of product & sum || Discrete Structures - Counting principles - rule of product & sum || Discrete Structures by A Z Computing 171,417 views 2 years ago 10 minutes, 52 seconds - The basic counting principles has been explained in this video. The concept of sum and product rule has also been explained ...

Discrete Mathematics Lecture 7 | What is Pigeon Hole Principle | Pigeon Principle By GP Sir - Discrete Mathematics Lecture 7 | What is Pigeon Hole Principle | Pigeon Principle By GP Sir by Dr.Gajendra Purohit 515,493 views 2 years ago 11 minutes, 23 seconds - This video lecture on **Discrete Mathematics**, B Tech | What is Pigeon Hole Principle - By Dr.Gajendra Purohit | Discrete ...

An introduction

Pigeonhole principal with example

Generalized pigeonhole principal

Q1. Based on pigeonhole principal

Q2. Based on pigeonhole principal

Q3. Based on pigeonhole principal

Q4. Based on pigeonhole principal

Q5. Based on pigeonhole principal

Detailed about old videos

He Studies Computer Science But is Bad at Math - He Studies Computer Science But is Bad at Math by The Math Sorcerer 23,818 views 1 year ago 4 minutes, 43 seconds - In this video I respond to an email I received from a viewer. He is a computer science student who is not good at math and

wants ...

Learning Discrete Math - Learning Discrete Math by The Math Sorcerer 23,126 views 7 months ago 5 minutes, 25 seconds - We talk about discrete math and how to learn it. Here are some **books**, you can use to start with **discrete mathematics**,. Amazing ...

Intro

Email

Introduction

Career Shift

Master Discrete Math

Discrete Math Books

My Plan

My Advice

Books

Outro

[Discrete Mathematics] Midterm 1 Solutions - [Discrete Mathematics] Midterm 1 Solutions by TrevTutor 120,440 views 8 years ago 44 minutes - Here are the solutions to the midterm posted at TrevTutor.com Hello, welcome to TheTrevTutor. I'm here to help you learn your ...

Intro

Questions

Set Theory

Venn Diagrams

Logic

Truth Tables

Formalizing an Argument

Counting

Scoring

Practice Questions

Math for Computer Science - Math for Computer Science by The Math Sorcerer 184,798 views 1 year ago 14 minutes, 15 seconds - In this video I will show you a very good book on **discrete**, math. This book has lots of the math that you need for computer science.

Learn Mathematics from START to FINISH (2nd Edition) - Learn Mathematics from START to FINISH (2nd Edition) by The Math Sorcerer 806,888 views 1 year ago 37 minutes - In this video I will show you how to learn **mathematics**, from start to finish. I will give you three different ways to get started with ...

Algebra

Pre-Algebra Mathematics

Start with Discrete Math

Concrete Mathematics by Graham Knuth and Patashnik

How To Prove It a Structured Approach by Daniel Velman

College Algebra by Blitzer

A Graphical Approach to Algebra and Trigonometry

Pre-Calculus Mathematics

Tomas Calculus

Multi-Variable Calculus

Differential Equations

The Shams Outline on Differential Equations

Probability and Statistics

Elementary Statistics

Mathematical Statistics and Data Analysis by John Rice

A First Course in Probability by Sheldon Ross

Geometry

Geometry by Jurgensen

Linear Algebra

Partial Differential Equations

Abstract Algebra

First Course in Abstract Algebra

Contemporary Abstract Algebra by Joseph Galleon

Abstract Algebra Our First Course by Dan Serachino

Advanced Calculus or Real Analysis

Principles of Mathematical Analysis and It  
Advanced Calculus by Fitzpatrick  
Advanced Calculus by Buck  
Books for Learning Number Theory  
Introduction to Topology by Bert Mendelson  
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All the Math You Missed but Need To Know for Graduate School  
Cryptography  
The Legendary Advanced Engineering Mathematics by Chrysig  
Real and Complex Analysis  
Basic Mathematics  
Books For Discrete Mathematics - Books For Discrete Mathematics by randerson112358 5,623 views  
7 years ago 3 minutes, 10 seconds - The links to **the books**, are below: Algorithm Analysis Book: ...  
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Exercises  
Practice Problems  
Discrete Mathematics and it's Applications by Rosen #shorts - Discrete Mathematics and it's Appli-  
cations by Rosen #shorts by The Math Sorcerer 24,782 views 3 years ago 48 seconds – play Short -  
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26 May 2021 - 26 May 2021 by Swapan Kumar Sarkar 4 views 2 years ago 30 seconds – play Short  
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