

Notes On Discrete Mathematics Computer Science



Notes On Discrete Mathematics Computer

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Notes on Discrete Mathematics Miguel A. Lerma. Contents Introduction 5 Chapter 1. Logic 6 1.1. Propositions 6 1.2. Quantifiers 10 ... These notes are intended to be a summary of the main ideas in course CS 310: Mathematical Foundations of Computer Science. I may keep working on this document as the course goes on, so these ...

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These notes are intended to be a summary of the main ideas in course CS 310: Mathematical Foundations of Computer Science. I may keep working on this document as the course goes on, so these notes will not be completely finished until the end of the quarter. The textbook for this course is Kenneth H. Rosen: Discrete Mathe-

Notes on Discrete Mathematics - Department of Mathematics

Discrete Structures Lecture Notes Vladlen Koltun1 Winter 2008 1Computer Science Department, 353 Serra Mall, Gates 374, Stanford University, Stanford, CA 94305, USA; vladlen@stanford.edu.

Discrete Structures Lecture Notes - Stanford University

Discrete Mathematics for Computer Science Some Notes Jean Gallier Abstract: These are notes on discrete mathematics for computer scientists. The presentation is somewhat unconventional. Indeed I begin with a discussion of the basic rules of mathematical reasoning and of the notion of proof formalized in a natural deduction system “a la ...

Discrete Mathematics for Computer Science Some Notes

Surprisingly, in the midst of learning the language of mathematics, we’ll come across the most important open problem in computer science—a problem whose solution could change the world. 1.1 Compound Propositions In English, we can modify, combine, and relate propositions with words such as

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Discrete mathematics uses a range of techniques, some of which is sel-dom found in its continuous counterpart. This course will roughly cover the following topics and speci c applications in computer science. 1.Sets, functions and relations 2.Proof techniques and induction 3.Number theory a)The math behind the RSA Crypto system

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Unfortunately, there is no book that adequately covers all the material in this course at the right level. We will provide lecture notes for most of the lectures. The book Discrete Mathematics and its Applications, 5th Edition (Kenneth H. Rosen, McGraw-Hill, Inc., New York, 2003) is recommended but not required.

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