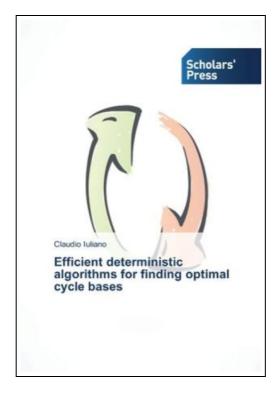
Efficient deterministic algorithms for finding optimal cycle bases



Filesize: 8.93 MB

Reviews

This type of publication is every thing and got me to seeking in advance plus more. I was able to comprehended every thing out of this created e ebook. I am easily could possibly get a satisfaction of reading a created ebook. (Sonya Koss)

EFFICIENT DETERMINISTIC ALGORITHMS FOR FINDING OPTIMAL CYCLE BASES



SPS Dez 2015, 2015. Taschenbuch. Condition: Neu. This item is printed on demand - Print on Demand Neuware - Given a simple undirected graph G, a (generalized) cycle corresponds to a subgraph in which every node has an even number of incident edges. All cycles of a graph form a vector space over GF(2), the so-called cycle space, and a basis of this space, i.e., a cycle basis, provides a compact representation of the cyclic structure of G. In a variety of applications, e.g., analysis of electrical circuits, network design, periodic event scheduling, computational biology and organic chemistry, we are given a graph G with a nonnegative weight assigned to each edge and we are interested in finding a minimum cycle basis, i.e., a cycle basis of minimum total weight, where the weight of a basis (cycle) is defined as the sum of the weights of its cycles (edges). The main goal of the work is to devise efficient deterministic algorithms for the minimum cycle basis problem. Our interest is to improve on the best worst-case complexity as well as on the actual performance over an extensive range of instances. We also investigate two variants of the minimum cycle basis problem with additional structural constraints that are of interest in some applications. 88 pp. Englisch.





You May Also Like



Write Better Stories and Essays: Topics and Techniques to Improve Writing Skills for Students in Grades 6 - 8: Common Core State Standards Aligned

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 277 x 211 mm. Language: English . Brand New Book ****** Print on Demand ******.Mr. George Smith, a children s book author, has been...

Save Document »



My Life as an Experiment: One Man s Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts...

Save Document »



The Seo Solution to Rank on the First Page of Google for Free: An All Organic Proven Method to Improve Your Seo

Createspace, United States, 2013. Paperback. Book Condition: New. 272 x 212 mm. Language: English . Brand New Book ***** Print on Demand *****. HELLO AND WELCOME to the worlds most unique and effective organic SEO lesson...

Save Document »



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English. Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

Save Document »



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications.

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can usually...

Save Document »



Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children

Read Book »



The Day I Forgot to Pray

Tate Publishing. Paperback. Book Condition: New. Paperback. 28 pages. Dimensions: 8.7in. x 5.8in. x 0.3in.Alexis is an ordinary five-year-old who likes to run and play in the sandbox. On her first day of Kindergarten, she

Read Book »



Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)

Createspace, United States, 2015. Paperback. Book Condition: New. Apoorva Dingar (illustrator). Large Print. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand ******. Klara is a little different from the other Read Book »



The About com Guide to Baby Care A Complete Resource for Your Babys Health Development and Happiness by Robin Elise Weiss 2007 Paperback

Book Condition: Brand New. Book Condition: Brand New.

Read Book »



Simple Signing with Young Children: A Guide for Infant, Toddler, and Preschool Teachers

Book Condition: Brand New. Book Condition: Brand New.

Read Book »