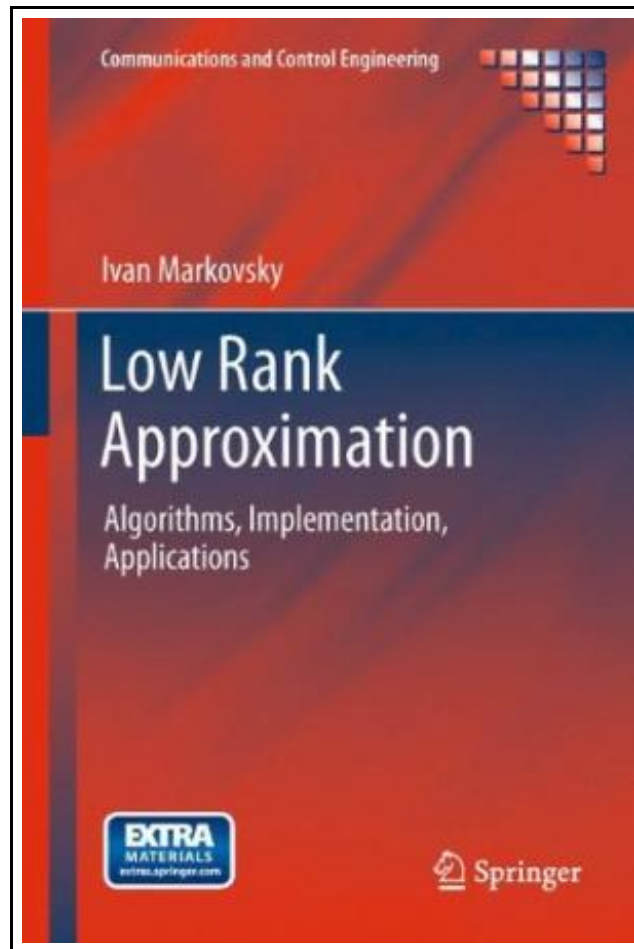# Low Rank Approximation

Filesize: 5.5 MB

Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.
(Felicia Nikolaus)

LOW RANK APPROXIMATION

Springer-Verlag Gmbh Nov 2011, 2011. Buch. Condition: Neu. Neuware - Data Approximation by Low-complexity Models details the theory, algorithms, and applications of structured low-rank approximation. Efficient local optimization methods and effective suboptimal convex relaxations for Toeplitz, Hankel, and Sylvester structured problems are presented. Much of the text is devoted to describing the applications of the theory including: system and control theory; signal processing; computer algebra for approximate factorization and common divisor computation; computer vision for image deblurring and segmentation; machine learning for information retrieval and clustering; bioinformatics for microarray data analysis; chemometrics for multivariate calibration; and psychometrics for factor analysis.Software implementation of the methods is given, making the theory directly applicable in practice. All numerical examples are included in demonstration files giving hands-on experience and exercises and MATLAB® examples assist in the assimilation of the theory. Matrix low-rank approximation is intimately related to data modelling by a linear system; a problem that arises frequently in many different fields. This book is a comprehensive exposition of the theory, algorithms, and applications of structured low-rank approximation. Efficient local optimization methods and effective suboptimal convex relaxations for Toeplitz, Hankel, and Sylvester structured problems are presented. A major part of the text is devoted to application of the theory. Applications described include: system and control theory: approximate realization, model reduction, output error and errors-in-variables identification; signal processing: harmonic retrieval, sum-of-damped exponentials, finite impulse response modelling, and array processing; computer algebra for approximate factorization and common divisor computation; computer vision for image deblurring and segmentation; machine learning for information retrieval and clustering; bioinformatics for microarray data analysis; chemometrics for multivariate calibration; and psychometrics for factor analysis. Special knowledge from the respective application fields is not required. The book is complemented by a software implementation of the methods presented, which makes the theory directly applicable in...

📄 Read Low Rank Approximation Online
📄 Download PDF Low Rank Approximation

Related Kindle Books

Readers Clubhouse Set a Nick is Sick

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. Carol Koeller (illustrator). 221 x 147 mm. Language: English . Brand New Book. This is volume three, Reading Level 1, in a comprehensive program...

Read Book »

Readers Clubhouse Set B Time to Open

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. 222 x 148 mm. Language: English . Brand New Book. This is volume nine, Reading Level 2, in a comprehensive program (Reading Levels 1...

Read Book »

Reflections From the Powder Room on the Love Dare: A Topical Discussion by Women from Different Walks of Life

Destiny Image. Book Condition: New. 0768430593 BRAND NEW!! MULTIPLE COPIES AVAILABLE. NEW CONDITION!! 100% MONEY BACK GUARANTEE!! BUY WITH CONFIDENCE! WE SHIP DAILY!!EXPEDITED SHIPPING AVAILABLE. What's more fun than reading a book? Discussing it with...

Read Book »

Readers Clubhouse B Just the Right Home

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. Marilee Harrald-Pilz (illustrator). 224 x 147 mm. Language: English . Brand New Book. This is volume seven, Reading Level 2, in a comprehensive program...

Read Book »

Readers Clubhouse Set B Joe Boat

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. Kristin Barr (illustrator). 221 x 147 mm. Language: English . Brand New Book. This is volume four, Reading Level 2, in a comprehensive program...

Read Book »

Programming in D: Tutorial and Reference

Ali Cehreli, 2015. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The main aim of this book is to teach D to readers who are

Save ePub »

Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 3: Such a Fuss (Hardback)

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 172 x 142 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

Save ePub »

Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 5: Seasick (Hardback)

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 174 x 142 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

Save ePub »

Becoming a Spacewalker: My Journey to the Stars (Hardback)

Purdue University Press, United States, 2014. Hardback. Book Condition: New. 284 x 216 mm. Language: English . Brand New Book. This nonfiction picture book is a children s version of NASA astronaut Jerry L. Ross

Save ePub »

Readers Clubhouse Set a a Truck Can Help

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. 229 x 145 mm. Language: English . Brand New Book. This is volume eight, Reading Level 1, in a comprehensive program (Reading Levels 1

Save ePub »