

## A Study on Eigencalues of Higher-Order Tensors and Related Polynomial Optimization Problems



THUMBNAIL  
NOT  
AVAILABLE

Filesize: 4.91 MB

### Reviews

*Most of these ebook is the perfect publication offered. Sure, it really is play, still an interesting and amazing literature. You wont truly feel monotony at whenever you want of your time (that's what catalogs are for about in the event you check with me).*

*(Roosevelt Rohan)*

## A STUDY ON EIGENCALUES OF HIGHER-ORDER TENSORS AND RELATED POLYNOMIAL OPTIMIZATION PROBLEMS

[DOWNLOAD](#)

To download **A Study on Eigencalues of Higher-Order Tensors and Related Polynomial Optimization Problems** PDF, make sure you follow the hyperlink beneath and save the ebook or gain access to additional information that are in conjunction with **A STUDY ON EIGENCALUES OF HIGHER-ORDER TENSORS AND RELATED POLYNOMIAL OPTIMIZATION PROBLEMS** ebook.

2015. Soft cover. Book Condition: New. 1st Edition. Chapter 1 Introduction 1.1Eigenvalues problems of higher order tensors 1.2Related polynomial optimization problems 1.3Applications 1.4Spectral properties and algorithms: a literature review 1.5The organization of this book Chapter 2 Spectral Properties of H-eigenvalue Problems of a Nonnegative Square Tensor 2.1Introduction 2.2From nonnegative matrices to nonnegative tensors 2.3Nonnegative irreducible tensors and primitive tensors 2.4Perron-Frobenius theorem for nonnegative tensors and related results 2.5Geometric simplicity 2.6The Collatz-Wielandt formula 2.7Other related results 2.8Some properties for nonnegative weakly irreducible tensors 2.8.1Weak irreducibility 2.8.2Generalization from nonnegative irreducible tensors to nonnegative weakly irreducible tensors Chapter 3 Algorithms for Finding the Largest H-eigenvalue of a Nonnegative Square Tensor 3.1Introduction 3.2A polynomial-time approach for computing the spectral radius 3.3Two algorithms and convergence analysis 3.3.1An inexact power-type algorithm 3.3.2A one-step inner iteration power-type algorithm 3.4Numerical experiments 3.4.1Experiments on the polynomial-time approach 3.4.2Experiments on the inexact algorithms Chapter 4 Spectral Properties and Algorithms of H-singular Value Problems of a Nonnegative Rectangular Tensor 4.1Introduction 4.2Preliminaries 4.3Some conclusions concerning the singular value of a nonnegative rectangular tensor 4.4Primitivity and the convergence of the CQZ method for finding the largest singular value of a nonnegative rectangular tensor 4.5Algorithms for computing the largest singular value of a nonnegative rectangular tensor 4.5.1A polynomial-time algorithm 4.5.2An inexact algorithm 4.6A solving method of the largest singular value based on the symmetric embedding 4.6.1Singular values of a rectangular tensor 4.6.2Singular values of a general tensor Chapter 5 Properties and Algorithms of Z-eigenvalue Problems of a Symmetric Tensor 5.1Introduction 5.2Some spectral properties 5.2.1The Collatz-Wielandt formula 5.2.2Bounds on the Z-spectral radius 5.3The reformulation problem and the no duality gap result 5.3.1The reformulation problem 5.3.2Dual problem of (RP) 5.3.3No duality gap result 5.4Relaxations and algorithms 5.4.1Nuclear norm regularized convex relaxation of (RP) and the proximal augmented Lagrangian method 5.4.2The truncated nuclear norm regularization and the...



[Read A Study on Eigencalues of Higher-Order Tensors and Related Polynomial Optimization Problems Online](#)



[Download PDF A Study on Eigencalues of Higher-Order Tensors and Related Polynomial Optimization Problems](#)



[Download ePUB A Study on Eigencalues of Higher-Order Tensors and Related Polynomial Optimization Problems](#)

## Related PDFs

---



**[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)**

Follow the link under to get "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" file.

[Read Document »](#)

---



**[PDF] McGraw-Hill Reading Phonics And Phonemic Awareness Practice Book, Grade 3 (2001 Copyright)**

Follow the link under to get "McGraw-Hill Reading Phonics And Phonemic Awareness Practice Book, Grade 3 (2001 Copyright)" file.

[Read Document »](#)

---



**[PDF] Fiendly Corners Series: Pizza Zombies - Book #2**

Follow the link under to get "Fiendly Corners Series: Pizza Zombies - Book #2" file.

[Read Document »](#)

---



**[PDF] How The People Found A Home-A Choctaw Story, Grade 4 Adventure Book**

Follow the link under to get "How The People Found A Home-A Choctaw Story, Grade 4 Adventure Book" file.

[Read Document »](#)

---



**[PDF] Skills for Preschool Teachers, Enhanced Pearson eText - Access Card**

Follow the link under to get "Skills for Preschool Teachers, Enhanced Pearson eText - Access Card" file.

[Read Document »](#)

---



**[PDF] History of the Town of Sutton Massachusetts from 1704 to 1876 (Paperback)**

Follow the link under to get "History of the Town of Sutton Massachusetts from 1704 to 1876 (Paperback)" file.

[Read Document »](#)



**[PDF] Peppa Pig: Sports Day - Read it Yourself with Ladybird: Level 2**

Click the hyperlink listed below to read "Peppa Pig: Sports Day - Read it Yourself with Ladybird: Level 2" file.

[Save ePub »](#)



**[PDF] Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: A Yak at the Picnic (Hardback)**

Click the hyperlink listed below to read "Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: A Yak at the Picnic (Hardback)" file.

[Save ePub »](#)



**[PDF] Silverlight 5 in Action**

Click the hyperlink listed below to read "Silverlight 5 in Action" file.

[Save ePub »](#)



**[PDF] JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)**

Click the hyperlink listed below to read "JA] early childhood parenting :1-4 Genuine Special(Chinese Edition)" file.

[Save ePub »](#)



**[PDF] Read Write Inc. Phonics: Pink Set 3 Storybook 2 Tab the Cat (Paperback)**

Click the hyperlink listed below to read "Read Write Inc. Phonics: Pink Set 3 Storybook 2 Tab the Cat (Paperback)" file.

[Save ePub »](#)



**[PDF] Pickles To Pittsburgh: Cloudy with a Chance of Meatballs 2**

Click the hyperlink listed below to read "Pickles To Pittsburgh: Cloudy with a Chance of Meatballs 2" file.

[Save ePub »](#)