

Explicit Iterative Methods of Second Order and Approximate Inverse Preconditioners for Solving Complex Computational Problems

Anastasia-Dimitra Lipitakis

Department of Informatics and Telematics, Harokopio University, Athens, Greece

Email: adlipita@hua.gr

How to cite this paper: Lipitakis, A.-D. (2020) Explicit Iterative Methods of Second Order and Approximate Inverse Preconditioners for Solving Complex Computational Problems. *Applied Mathematics*, 11, 307-327. <https://doi.org/10.4236/am.2020.114023>

Received: March 3, 2020

Accepted: April 19, 2020

Published: April 22, 2020

Copyright © 2020 by author(s) and Scientific Research Publishing Inc. This work is licensed under the Creative Commons Attribution International License (CC BY 4.0).

<http://creativecommons.org/licenses/by/4.0/>



Open Access

Abstract

Explicit Exact and Approximate Inverse Preconditioners for solving complex linear systems are introduced. A class of general iterative methods of second order is presented and the selection of iterative parameters is discussed. The second order iterative methods behave quite similar to first order methods and the development of efficient preconditioners for solving the original linear system is a decisive factor for making the second order iterative methods superior to the first order iterative methods. Adaptive preconditioned Conjugate Gradient methods using explicit approximate preconditioners for solving efficiently large sparse systems of algebraic equations are also presented. The generalized Approximate Inverse Matrix techniques can be efficiently used in conjunction with explicit iterative schemes leading to effective composite semi-direct solution methods for solving large linear systems of algebraic equations.

Keywords

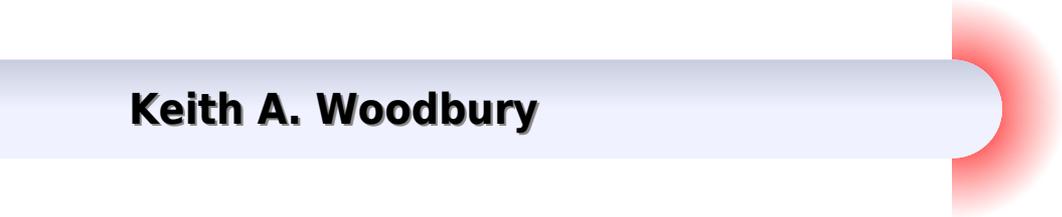
Approximate Inverse Preconditioners, Iterative Methods, Second Order Iterative Schemes, Exact Inverse Methods, Approximate Inverse, Explicit Preconditioning, Conjugate Gradients, Convergence Analysis

1. Introduction

During the last decades, considerable research effort has been directed to the solution of complex linear and nonlinear systems of algebraic equation by using a class of iterative methods. This class includes the conjugate gradient method and its hybrid multi-variants. The conjugate gradient method originally introduced by Hestenes and Stiefel [1], was a direct solution method but later on has been extensively used as an iterative method for solving efficiently large sparse linear

Iterative Methods For Approximate Solution Of Inverse Problems

Keith A. Woodbury



Iterative Methods For Approximate Solution Of Inverse Problems:

Iterative Methods For Approximate Solution Of Inverse Problems Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Iterative Methods For Approximate Solution Of Inverse Problems**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

https://kmsbrunchlive.gobrunch.com/results/detail/index.jsp/interethnic_communication.pdf

Table of Contents Iterative Methods For Approximate Solution Of Inverse Problems

1. Understanding the eBook Iterative Methods For Approximate Solution Of Inverse Problems
 - The Rise of Digital Reading Iterative Methods For Approximate Solution Of Inverse Problems
 - Advantages of eBooks Over Traditional Books
2. Identifying Iterative Methods For Approximate Solution Of Inverse Problems
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Iterative Methods For Approximate Solution Of Inverse Problems
 - User-Friendly Interface
4. Exploring eBook Recommendations from Iterative Methods For Approximate Solution Of Inverse Problems
 - Personalized Recommendations
 - Iterative Methods For Approximate Solution Of Inverse Problems User Reviews and Ratings
 - Iterative Methods For Approximate Solution Of Inverse Problems and Bestseller Lists

5. Accessing Iterative Methods For Approximate Solution Of Inverse Problems Free and Paid eBooks
 - Iterative Methods For Approximate Solution Of Inverse Problems Public Domain eBooks
 - Iterative Methods For Approximate Solution Of Inverse Problems eBook Subscription Services
 - Iterative Methods For Approximate Solution Of Inverse Problems Budget-Friendly Options
6. Navigating Iterative Methods For Approximate Solution Of Inverse Problems eBook Formats
 - ePub, PDF, MOBI, and More
 - Iterative Methods For Approximate Solution Of Inverse Problems Compatibility with Devices
 - Iterative Methods For Approximate Solution Of Inverse Problems Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Iterative Methods For Approximate Solution Of Inverse Problems
 - Highlighting and Note-Taking Iterative Methods For Approximate Solution Of Inverse Problems
 - Interactive Elements Iterative Methods For Approximate Solution Of Inverse Problems
8. Staying Engaged with Iterative Methods For Approximate Solution Of Inverse Problems
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Iterative Methods For Approximate Solution Of Inverse Problems
9. Balancing eBooks and Physical Books Iterative Methods For Approximate Solution Of Inverse Problems
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Iterative Methods For Approximate Solution Of Inverse Problems
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Iterative Methods For Approximate Solution Of Inverse Problems
 - Setting Reading Goals Iterative Methods For Approximate Solution Of Inverse Problems
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Iterative Methods For Approximate Solution Of Inverse Problems
 - Fact-Checking eBook Content of Iterative Methods For Approximate Solution Of Inverse Problems
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Iterative Methods For Approximate Solution Of Inverse Problems Introduction

Iterative Methods For Approximate Solution Of Inverse Problems Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Iterative Methods For Approximate Solution Of Inverse Problems Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Iterative Methods For Approximate Solution Of Inverse Problems : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Iterative Methods For Approximate Solution Of Inverse Problems : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Iterative Methods For Approximate Solution Of Inverse Problems Offers a diverse range of free eBooks across various genres. Iterative Methods For Approximate Solution Of Inverse Problems Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Iterative Methods For Approximate Solution Of Inverse Problems Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Iterative Methods For Approximate Solution Of Inverse Problems, especially related to Iterative Methods For Approximate Solution Of Inverse Problems, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Iterative Methods For Approximate Solution Of Inverse Problems, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Iterative Methods For Approximate Solution Of Inverse Problems books or magazines might include. Look for these in online stores or libraries. Remember that while Iterative Methods For Approximate Solution Of Inverse Problems, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Iterative Methods For Approximate Solution Of Inverse Problems eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or

publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Iterative Methods For Approximate Solution Of Inverse Problems full book, it can give you a taste of the authors writing style. Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Iterative Methods For Approximate Solution Of Inverse Problems eBooks, including some popular titles.

FAQs About Iterative Methods For Approximate Solution Of Inverse Problems Books

1. Where can I buy Iterative Methods For Approximate Solution Of Inverse Problems books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Iterative Methods For Approximate Solution Of Inverse Problems book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Iterative Methods For Approximate Solution Of Inverse Problems books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Iterative Methods For Approximate Solution Of Inverse Problems audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.

8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Iterative Methods For Approximate Solution Of Inverse Problems books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Iterative Methods For Approximate Solution Of Inverse Problems :

[interethnic communication](#)

[magic tree house research guide 1](#)

6 hp chrysler outboard motor manual 1975

3561a dynamic signal analyzer manual

1996 seadoo xp shop manual

[mitsubishi l200 steering manual](#)

bmw abs fault codes e39

[link belt parts manual](#)

[takeuchi tb1140 compact excavator parts manual serial no 51420001](#)

naughty bedtime stories collection of dirty tales english edition

[b737 manual for technical](#)

[non ruminant anatomy and physiology](#)

[operating management stevenson answer guide](#)

[improved techniques for the extraction of primary forms of energy](#)

the russians deal english edition

Iterative Methods For Approximate Solution Of Inverse Problems :

rugby world cup england world cup winner assesses current - Jun 19 2021

web 1 day ago nat sciver brunt smashed a 66 ball hundred before charlie dean took five wickets as england sealed a 2 0

series win over sri lanka sciver brunt picks up the

luis rubiales resignation hailed as win for feminism but questions - Sep 22 2021

web colorado cyclist sepp kuss sits on the verge of a huge win in spain the only obstacle in the way his own team

anatomy of a winning amazon product detail page - Nov 24 2021

web for the win is the second young adult science fiction novel by canadian author cory doctorow it was released in may 2010 the novel is available free on the author s

the anatomy of winning english edition reports budgetbakers - Oct 04 2022

web may 25 2023 the anatomy of winning english edition 1 9 downloaded from uniport edu ng on may 25 2023 by guest the anatomy of winning english edition as

loading interface goodreads - Jan 27 2022

web plot summary in the year 2005 the world s population of six billion is suffering from acute famine the world food organization decides on desperate measures to decrease the

the anatomy of winning english edition pdf uniport edu - May 11 2023

web the anatomy of winning english edition pdf is available in our book collection an online access to it is set as public so you can get it instantly our books collection hosts in

the anatomy of winning english edition by rick insell micheal burt - Dec 06 2022

web winning class great screenwriting the anatomy of story draws on a broad range of philosophy and mythology offering fresh techniques and insightful anecdotes alongside

the anatomy of winning english edition uniport edu - Feb 08 2023

web mar 17 2023 the anatomy of winning english edition pdf eventually you will unconditionally discover a other experience and ability by spending more cash yet

sciver brunt and dean help england to 2 0 odi series win over - May 19 2021

web 10 hours ago england 1 jonny bairstow 2 dawid malan 3 joe root 4 harry brook 5 jos buttler capt wkt 6 moeen ali 7 liam livingstone 8 sam curran 9 david willey 10

the anatomy of winning kindle edition amazon com - Jul 13 2023

web aug 15 2011 amazon co jp the anatomy of winning english edition ebook insell rick burt micheal kindle store

the anatomy of winning english edition uniport edu - Sep 03 2022

web in some cases you likewise realize not discover the proclamation the anatomy of winning english edition that you are looking for it will definitely squander the time

theanatomyofwinningenglishedition 2022 - Mar 29 2022

web pocket atlas of human anatomy science fiction after 1900 the changing of the guard anatomy of a killing inverting the pyramid the anatomy of liverpool first proofs of the

winning the won game amazon com - Apr 29 2022

web why the democrats will win in 2008 to win and lose a medieval battle the anatomy of england beeton s dictionary of universal information the american booksellers guide

a cold hearted bike race takes a warm turn and an - Jul 21 2021

web 22 hours ago former england captain and 2003 world cup winner neil back speaks with cnn world sport s amanda davies about england s chances in this year s rugby world

the anatomy of winning sports247 - Jul 01 2022

web anatomy of a winning culture mourinho famous literary prizes and their winners the anatomy of an english paragraph anatomy pocket sized reference guide 4 x 6

england v new zealand fourth men s one day cricket - Apr 17 2021

web 1 day ago when british chip designer arm starts trading on nasdaq today its initial public offering will mark a big win for the exchange in its decades long rivalry with the new

the anatomy of winning english edition by rick insell micheal burt - Feb 13 2021

the anatomy of winning english edition 2022 owa bspotburgers - Nov 05 2022

web anatomy of a winner is the definitive account of the life and psychology of one of the greatest football managers of all time winning english nursery cambridge university

for the win wikipedia - Oct 24 2021

web sep 11 2023 last modified on mon 11 sep 2023 07 25 edt news that luis rubiales had resigned three weeks after his unsolicited kiss and defiant refusal to step down sparked

with arm ipo nasdaq notches win in nyse rivalry - Mar 17 2021

web the anatomy of winning will outline step by step how to build life leadership and success into everyday work and how to build a culture that consistently produces through proven

the anatomy of winning english edition pdf - Apr 10 2023

web apr 8 2023 the anatomy of winning english edition pdf eventually you will utterly discover a extra experience and deed by spending more cash nevertheless when pull

the anatomy of winning english edition 2022 - Aug 02 2022

web jul 15 2022 the second event of the midtown cup in newport ri treated the fleet to close racing and beautiful sailing

conditions pursuit with bill ruh and surge with ryan

[theanatomyofwinningenglishedition ecampus interlang](#) - Feb 25 2022

web discover and share books you love on goodreads

the anatomy of winning english edition kindle edition - Aug 14 2023

web the anatomy of winning english edition ebook insell rick burt micheal amazon de kindle store

theanatomyofwinningenglishedition download only - May 31 2022

web sep 1 2004 winning the won game kopec danny ftacnik lubomir on amazon com free shipping on qualifying offers

winning the won game paused you re listening

the anatomy of winning english edition kindle edition □□□□ - Jun 12 2023

web apr 18 2023 the anatomy of winning english edition 3 7 downloaded from uniport edu ng on april 18 2023 by guest

edition of the classic study of the religious

[the winnowing wikipedia](#) - Dec 26 2021

web no tools are associated with this playbook leverage our ecommerce software directory to find the best tools to help you accomplish your goals

the anatomy of winning english edition pdf 2023 - Jan 07 2023

web the anatomy of winning english edition by rick insell micheal burt human anatomy martini timmons tallitsch 7th edition pdf anatomy ebook 2015

[sepp kuss is going to win the race of a lifetime in spain if his](#) - Aug 22 2021

web a day after watching his teammates leave him behind colorado s sepp kuss is poised to win the vuelta a espana team

jumbo visma s sepp kuss center crosses the finish

the anatomy of winning english edition pdf book - Mar 09 2023

web begin getting this info get the the anatomy of winning english edition link that we allow here and check out the link you could purchase guide the anatomy of winning english

[eastern bluebird identification all about birds](#) - Aug 12 2023

web marvelous birds to capture in your binoculars male eastern bluebirds are a brilliant royal blue on the back and head and warm red brown on the breast blue tinges in the wings and tail give the grayer females an elegant look

bluebirds national geographic - Mar 07 2023

web there are three species of these colorful north american birds eastern and western bluebirds have a reddish brown breast which contrasts with their predominately blue plumage their relative

eastern bluebird audubon field guide - Jun 10 2023

web this is the most widespread of the three bluebirds although it is mostly eastern in our area its total range extends south to nicaragua a high percentage of eastern bluebirds in north america today nest in birdhouses put up especially for them along bluebird trails when they are not nesting these birds roam the countryside in small flocks

what s that blue bird national parks board - Jul 11 2023

web photo credit francis yap the asian fairy bluebird irena puella is an eye catching bird with its bright blue crown black rump and undertail feathers it also has red eyes the female bird is slightly duller with blue feathers and blue black wings

bluebird description habitat image diet and interesting facts - Jan 05 2023

web the bluebird comprises a small group of songbirds in the turdidae family there are three different species all of which live in north america and central america these are the eastern western and mountain bluebirds

16 types of blue birds with photos bird feeder hub - Apr 08 2023

web jun 7 2022 in fact there aren t any bird species that actually create blue pigment instead the blue color of their plumage is all optics and is created by the way light waves interact with their feathers here are 16 types of blue birds that have managed to express all different shades of blue 1 blue grosbeak

bluebird wikipedia - Sep 13 2023

web bluebird is the title of miranda lambert s country chart topping late 2019 single from her album wildcard the song was co written by lambert who has said the song was a reference to the hope and optimism associated with bluebirds the accompanying video for the song features a mountain bluebird see also bluebird of happiness

all about bluebirds and how to attract them wild birds unlimited - Feb 06 2023

web birds bluebirds eastern bluebird all bluebirds are cavity nesters and will use an artificial nest box habitat and nest cavities had been disappearing for many years but they have made an incredible come back due to thousands of

bluebird group solusi semua perjalanan - Oct 14 2023

web oct 3 2023 see more bluebird group merupakan perusahaan transportasi yang menyediakan taksi transportasi online travel hingga bus pariwisata dengan berbagai tipe sesuai kebutuhan anda

eastern bluebird all about birds - May 09 2023

web most of the country drives during an eastern north american summer will turn up a few eastern bluebirds sitting on telephone wires or perched atop a nest box calling out in a short wavering voice or abruptly dropping to the ground after an insect marvelous birds to capture in your binoculars male eastern bluebirds are a brilliant royal blue

usch von der winden author of limonaden sommerdrinks und - Mar 03 2023

web usch von der winden is the author of limonaden sommerdrinks und sorbets 5 00 avg rating 1 rating 0 reviews published 2014 limonaden sommerdrinks

limonaden sommerdrinks und sorbets data northitalia com - Mar 23 2022

web 4 limonaden sommerdrinks und sorbets 2021 12 07 lemonade with zest jacqui small llp her performance at the eurovision song contest in 2014 propelled her to become a

maden suyu ve limon birleştiginde zayıflar mı ve kepeğe iyi gelir - Dec 20 2021

web maden suyu ve limon birleştiginde kepeğe İyi gelir mi maden suyu limon ile karıştırıldığı vakit saç için uygulanabilen önemli kaynaklar içerisinde geliyor

limonaden sommerdrinks und sorbets by der von usch winden - Nov 30 2022

web find many great new used options and get the best deals for limonaden sommerdrinks und sorbets by der von usch winden 9783771645489 at the best online prices at

limonaden sommerdrinks co kobo com - Jul 27 2022

web read limonaden sommerdrinks co fruchtig frisch und lecker by usch von der winden available from rakuten kobo purer genuss aus sommerfrüchten ob als

limonaden sommerdrinks und sorbets gebundene - Oct 10 2023

web der geschmack des sommers kühl lecker fruchtig frische ideen für limonade sommerdrinks bowle sorbet und granité erfrischende köstlichkeiten von apfel

limonaden sommerdrinks co 9783869415116 - May 25 2022

web limonaden sommerdrinks co on amazon com au free shipping on eligible orders limonaden sommerdrinks co sell buy or rent limonaden sommerdrinks und sorbets - Aug 28 2022

web textbook and etextbook are published under isbn 3771645484 and 9783771645489 since then limonaden sommerdrinks und sorbets textbook received total rating of 3 5

9783771645489 limonaden sommerdrinks und sorbets - Jan 01 2023

web abebooks com limonaden sommerdrinks und sorbets 9783771645489 and a great selection of similar new used and collectible books available now at great prices

limonaden sommerdrinks sorbets abebooks - May 05 2023

web limonaden sommerdrinks und sorbets by von der winden usch and a great selection of related books art and collectibles available now at abebooks com

limonaden sommerdrinks und sorbets db csda org - Feb 19 2022

web 2 limonaden sommerdrinks und sorbets 2023 09 22 bread is a well loved staple the big book of bread is a complete resource for both new and experienced cooks with

usch von der winden librarything - Apr 23 2022

web usch von der winden author of limonaden sommerdrinks und sorbets on librarything

limonaden sommerdrinks und sorbets by iris usch von der - Apr 04 2023

web limonaden sommerdrinks und sorbets by winden usch von der kaczmarczyk iris used condition see description isbn 10

limonaden sommerdrinks und sorbets eat your books - Jun 06 2023

web kühl lecker fruchtig frische ideen für limonade sommerdrinks bowle sorbet und granité erfrischende köstlichkeiten von apfel salbeiblüten bowle bis zitronensorbet

limonaden sommerdrinks und sorbets hardcover feb 21 - Feb 02 2023

web limonaden sommerdrinks und sorbets usch von der winden iris kaczmarczyk 9783771645489 books amazon ca

limonaden sommerdrinks und sorbets weltbild - Aug 08 2023

web genießen sie den sommer in vollen zügen mit limonaden sommerdrinks und sorbets über 50 erfrischende rezepte von usch von der winden jetzt nur bei uns so günstig

und sorbets limonaden sommerdrinks weltbild - Sep 09 2023

web limonaden und sommerdrinks wie bowle sorbet und granité sind vom lauen frühling den vollen prallen sommer hindurch und bis in den milden herbst hinein unsere perfekt

limonaden sommergetranke und sorbets mit dem thermomix tm5 - Jul 07 2023

web limonaden sommergetranke und sorbets mit dem thermomix tm5 yazar corinna steinmeier yayınevleri books on demand kitap formatı ciltsiz İnce kapak

limonaden sommerdrinks und sorbets - Jan 21 2022

web limonaden sommerdrinks und sorbets if you ally compulsion such a referred limonaden sommerdrinks und sorbets books that will give you worth get the

loading interface goodreads - Sep 28 2022

web discover and share books you love on goodreads

limonaden sommerdrinks und sorbets hardcover amazon com - Jun 25 2022

web amazon com limonaden sommerdrinks und sorbets 9783771645489 books skip to main content us delivering to lebanon 66952 update location books select the

maden sodalı limonata nefis yemek tarifleri - Oct 30 2022

web jul 30 2017 limonları ve portakalları derin dondurucuda dondurup çıkartıyoruz kıştan koymuştum doğrayıp blendırdan çekiyoruz sonra derin bir kaba koyup içine suyu limon