



Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications)

Download now

[Click here](#) if your download doesn't start automatically

Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications)

Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications)

"Fixed-Point Algorithms for Inverse Problems in Science and Engineering" presents some of the most recent work from top-notch researchers studying projection and other first-order fixed-point algorithms in several areas of mathematics and the applied sciences. The material presented provides a survey of the state-of-the-art theory and practice in fixed-point algorithms, identifying emerging problems driven by applications, and discussing new approaches for solving these problems.

This book incorporates diverse perspectives from broad-ranging areas of research including, variational analysis, numerical linear algebra, biotechnology, materials science, computational solid-state physics, and chemistry.

Topics presented include:

Theory of Fixed-point algorithms: convex analysis, convex optimization, subdifferential calculus, nonsmooth analysis, proximal point methods, projection methods, resolvent and related fixed-point theoretic methods, and monotone operator theory.

Numerical analysis of fixed-point algorithms: choice of step lengths, of weights, of blocks for block-iterative and parallel methods, and of relaxation parameters; regularization of ill-posed problems; numerical comparison of various methods.

Areas of Applications: engineering (image and signal reconstruction and decompression problems), computer tomography and radiation treatment planning (convex feasibility problems), astronomy (adaptive optics), crystallography (molecular structure reconstruction), computational chemistry (molecular structure simulation) and other areas.

Because of the variety of applications presented, this book can easily serve as a basis for new and innovated research and collaboration.

 [Download Fixed-Point Algorithms for Inverse Problems in Sci ...pdf](#)

 [Read Online Fixed-Point Algorithms for Inverse Problems in S ...pdf](#)

Download and Read Free Online Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications)

From reader reviews:

Irene Gwyn:

Book is to be different for each grade. Book for children until adult are different content. To be sure that book is very important normally. The book Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) was making you to know about other knowledge and of course you can take more information. It is extremely advantages for you. The e-book Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) is not only giving you more new information but also to be your friend when you sense bored. You can spend your personal spend time to read your guide. Try to make relationship with all the book Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications). You never feel lose out for everything when you read some books.

Tina West:

Typically the book Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) has a lot associated with on it. So when you make sure to read this book you can get a lot of advantage. The book was authored by the very famous author. Mcdougal makes some research just before write this book. This book very easy to read you can get the point easily after reading this article book.

Ella Hodge:

This Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) is new way for you who has intense curiosity to look for some information because it relief your hunger info. Getting deeper you in it getting knowledge more you know or you who still having little digest in reading this Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) can be the light food for yourself because the information inside this specific book is easy to get by simply anyone. These books build itself in the form that is reachable by anyone, yep I mean in the e-book type. People who think that in reserve form make them feel tired even dizzy this reserve is the answer. So you cannot find any in reading a book especially this one. You can find what you are looking for. It should be here for you. So , don't miss the item! Just read this e-book sort for your better life along with knowledge.

Marilyn Perez:

A lot of guide has printed but it is different. You can get it by internet on social media. You can choose the best book for you, science, comic, novel, or whatever by means of searching from it. It is known as of book Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications). Contain your knowledge by it. Without causing the printed book, it might add your knowledge and make anyone happier to read. It is most crucial that, you must aware about publication. It can

bring you from one spot to other place.

Download and Read Online Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) #Q2VE3LHK8GA

Read Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) for online ebook

Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) books to read online.

Online Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) ebook PDF download

Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) Doc

Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) Mobipocket

Fixed-Point Algorithms for Inverse Problems in Science and Engineering (Springer Optimization and Its Applications) EPub