Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics)

Kendall Atkinson, Weimin Han

Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics)

Kendall Atkinson, Weimin Han

Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) Kendall Atkinson, Weimin Han

These notes provide an introduction to the theory of spherical harmonics in an arbitrary dimension as well as an overview of classical and recent results on some aspects of the approximation of functions by spherical polynomials and numerical integration over the unit sphere. The notes are intended for graduate students in the mathematical sciences and researchers who are interested in solving problems involving partial differential and integral equations on the unit sphere, especially on the unit sphere in three-dimensional Euclidean space. Some related work for approximation on the unit disk in the plane is also briefly discussed, with results being generalizable to the unit ball in more dimensions.

Download and Read Free Online Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) Kendall Atkinson, Weimin Han

---

From reader reviews:

Margaret Coleman:

The book Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) can give more knowledge and information about everything you want. Why must we leave a very important thing like a book Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics)? A few of you have a different opinion about publication. But one aim in which book can give many info for us. It is absolutely appropriate. Right now, try to closer along with your book. Knowledge or facts that you take for that, you could give for each other; you can share all of these. Book Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) has simple shape but the truth is know: it has great and massive function for you. You can appear the enormous world by available and read a reserve. So it is very wonderful.

Yvette Barstow:

Information is provisions for individuals to get better life, information presently can get by anyone at everywhere. The information can be a information or any news even a problem. What people must be consider when those information which is within the former life are difficult to be find than now is taking seriously which one is suitable to believe or which one typically the resource are convinced. If you have the unstable resource then you have it as your main information it will have huge disadvantage for you. All those possibilities will not happen inside you if you take Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) as the daily resource information.

Philip Nguyen:

The actual book Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) will bring someone to the new experience of reading a new book. The author style to elucidate the idea is very unique. In case you try to find new book to see, this book very acceptable to you. The book Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) is much recommended to you to study. You can also get the e-book from your official web site, so you can more easily to read the book.

Shirley Bishop:

Typically the book Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) has a lot of knowledge on it. So when you read this book you can get a lot of profit. The book was published by the very famous author. The writer makes some research previous to write this book. This kind of book very easy to read you can get the point easily after reading this book.

Download and Read Online Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) Kendall Atkinson, Weimin Han #1IWOLBNC0XS

Read Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) by Kendall Atkinson, Weimin Han for online ebook

Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) by Kendall Atkinson, Weimin Han 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 Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) by Kendall Atkinson, Weimin Han books to read online.

Online Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) by Kendall Atkinson, Weimin Han ebook PDF download

Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) by Kendall Atkinson, Weimin Han Doc

Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) by Kendall Atkinson, Weimin Han Mobipocket

Spherical Harmonics and Approximations on the Unit Sphere: An Introduction (Lecture Notes in Mathematics) by Kendall Atkinson, Weimin Han EPub