



Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables

Milton Abramowitz, Irene Stegun

Download now

Click here if your download doesn"t start automatically

Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables

Milton Abramowitz, Irene Stegun

Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables Milton Abramowitz, Irene Stegun

2014 Reprint of 1964 Edition. Full facsimile of the original edition, not reproduced with Optical Recognition Software. Despite the increasing use of computers, the basic need for mathematical tables continues. Tables serve a vital role in preliminary surveys of problems before programming for machine operation, and they are indispensable to thousands of engineers and scientists without access to machines. Because of automatic computers, however, and because of recent scientific advances, a greater variety of functions and a higher accuracy of tabulation than have been available until now are required. In 1954, a conference on mathematical tables, sponsored by M.I.T. and the National Science Foundation, met to discuss a modernization and extension of Jahnke and Emde's classical tables of functions. This volume, published 10 years later by the U.S. Department of Commerce, is the result. Designed to include a maximum of information and to meet the needs of scientists in all fields, it is a monumental piece of work, a comprehensive and self-contained summary of the mathematical functions that arise in physical and engineering problems. The book contains 29 sets of tables, some to as high as 20 places: mathematical constants; physical constants and conversion factors (6 tables); exponential integral and related functions (7); error function and Fresnel integrals (12); Bessel functions of integer (12) and fractional (13) order; integrals of Bessel functions (2); Struve and related functions (2); confluent hypergeometric functions (2); Coulomb wave functions (2); hypergeometric functions; Jacobian elliptic and theta functions (2); elliptic integrals {9); Weierstrass elliptic and related functions; parabolic cylinder functions (3); Mathieu functions (2); spheroidal wave functions (5); orthogonal polynomials (13); combinatorial analysis (9); numerical interpolation, differentiation and integration (11); probability functions (ll); scales of notation {6}; miscellaneous functions (9); Laplace transforms (2); and others. Each of these sections is prefaced by a list of related formulas and graphs: differential equations, series expansions, special functions, and other basic relations. These constitute an unusually valuable reference work in themselves. The prefatory material also includes an explanation of the numerical methods involved in using the tables that follow and a bibliography. Numerical examples illustrate the use of each table and explain the computation of function values which lie outside its range, while the editors' introduction describes higher-order interpolation procedures. Well over 100 figures illustrate the text. In all, this is one of the most ambitious and useful books of its type ever published, an essential aid in all scientific and engineering research, problem solving, experimentation and field work. This low-cost edition contains every page of the original government publication. Preface by A. V. Astin. Foreword by Advisory Committee, Conference on Mathematical Tables. Editors' Introduction. Indices to Subjects, Notations.



Download Handbook of Mathematical Functions with Formulas, ...pdf



Read Online Handbook of Mathematical Functions with Formulas ...pdf

Download and Read Free Online Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables Milton Abramowitz, Irene Stegun

From reader reviews:

Martin McDaniel:

Here thing why this particular Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables are different and reliable to be yours. First of all studying a book is good however it depends in the content of computer which is the content is as tasty as food or not. Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables giving you information deeper as different ways, you can find any guide out there but there is no reserve that similar with Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables. It gives you thrill examining journey, its open up your current eyes about the thing in which happened in the world which is might be can be happened around you. You can actually bring everywhere like in park your car, café, or even in your method home by train. For anyone who is having difficulties in bringing the printed book maybe the form of Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables in e-book can be your alternative.

Shane McKeel:

Reading can called thoughts hangout, why? Because when you are reading a book especially book entitled Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables the mind will drift away trough every dimension, wandering in each and every aspect that maybe unidentified for but surely will become your mind friends. Imaging each and every word written in a guide then become one type conclusion and explanation which maybe you never get before. The Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables giving you another experience more than blown away your brain but also giving you useful details for your better life with this era. So now let us show you the relaxing pattern this is your body and mind will likely be pleased when you are finished studying it, like winning a sport. Do you want to try this extraordinary wasting spare time activity?

Deborah Anderson:

Do you really one of the book lovers? If so, do you ever feeling doubt if you are in the book store? Make an effort to pick one book that you just dont know the inside because don't determine book by its include may doesn't work the following is difficult job because you are scared that the inside maybe not since fantastic as in the outside seem likes. Maybe you answer may be Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables why because the fantastic cover that make you consider in regards to the content will not disappoint an individual. The inside or content is actually fantastic as the outside or even cover. Your reading 6th sense will directly show you to pick up this book.

Harrison Johnson:

Guide is one of source of understanding. We can add our understanding from it. Not only for students but in addition native or citizen require book to know the update information of year in order to year. As we know those textbooks have many advantages. Beside all of us add our knowledge, may also bring us to around the

world. With the book Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables we can have more advantage. Don't you to be creative people? Being creative person must like to read a book. Just choose the best book that suited with your aim. Don't always be doubt to change your life at this book Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables. You can more inviting than now.

Download and Read Online Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables Milton Abramowitz, Irene Stegun #3TYRNVXZS6F

Read Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables by Milton Abramowitz, Irene Stegun for online ebook

Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables by Milton Abramowitz, Irene Stegun 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 Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables by Milton Abramowitz, Irene Stegun books to read online.

Online Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables by Milton Abramowitz, Irene Stegun ebook PDF download

Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables by Milton Abramowitz, Irene Stegun Doc

Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables by Milton Abramowitz, Irene Stegun Mobipocket

Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables by Milton Abramowitz, Irene Stegun EPub