Handbook of Mathematics

By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig

Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig

This guide book to mathematics contains in handbook form the fundamental working knowledge of mathematics which is needed as an everyday guide for working scientists and engineers, as well as for students. Easy to understand, and convenient to use, this guide book gives concisely the information necessary to evaluate most problems which occur in concrete applications. In the newer editions emphasis was laid on those fields of mathematics that became more important for the formulation and modeling of technical and natural processes, namely Numerical Mathematics, Probability Theory and Statistics, as well as Information Processing. Besides many enhancements and new paragraphs, new sections on Geometric and Coordinate Transformations, Quaternions and Applications, and Lie Groups and Lie Algebras were added for the sixth edition.

Handbook of Mathematics

By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig

Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig

This guide book to mathematics contains in handbook form the fundamental working knowledge of mathematics which is needed as an everyday guide for working scientists and engineers, as well as for students. Easy to understand, and convenient to use, this guide book gives concisely the information necessary to evaluate most problems which occur in concrete applications. In the newer editions emphasis was laid on those fields of mathematics that became more important for the formulation and modeling of technical and natural processes, namely Numerical Mathematics, Probability Theory and Statistics, as well as Information Processing. Besides many enhancements and new paragraphs, new sections on Geometric and Coordinate Transformations, Quaternions and Applications, and Lie Groups and Lie Algebras were added for the sixth edition.

Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig Bibliography

- Sales Rank: #1057962 in Books
- Published on: 2015-06-11
- Original language: English
- Number of items: 1
- Dimensions: 1.80" h x 5.80" w x 8.00" l, 2.75 pounds
- Binding: Paperback
- 1207 pages

↓ **Download** Handbook of Mathematics ...pdf

▤ **Read Online** Handbook of Mathematics ...pdf

Download and Read Free Online Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig

Editorial Review

Review

"Russian scholars Bronshtein and Semendyayev created a math classic over seven decades ago. … This new Springer edition details over 1,500 entries in its table of contents, including new entries for analytical geometry, Lie groups and Lie algebra, nonlinear optimization, and computer algebra systems. … Summing Up: Recommended. All mathematics library collections." (K. L. Swetland, Choice, Vol. 53 (11), July, 2016)

From the Back Cover

This guide book to mathematics contains in handbook form the fundamental working knowledge of mathematics which is needed as an everyday guide for working scientists and engineers, as well as for students. Easy to understand, and convenient to use, this guide book gives concisely the information necessary to evaluate most problems which occur in concrete applications. In the newer editions emphasis was laid on those fields of mathematics that became more important for the formulation and modeling of technical and natural processes, namely Numerical Mathematics, Probability Theory and Statistics, as well as Information Processing. Besides many enhancements and new paragraphs, new sections on Geometric and Coordinate Transformations, Quaternions and Applications, and Lie Groups and Lie Algebras were added for the sixth edition.

About the Author

Prof. Dr. Gerhard Musiol

Gerhard Musiol received the Dipl.-Ing. degree for Physical Nuclear Technics in 1958 at the Technical University Dresden (TUD), the Doctorate degree in Physics in 1966 at the international "Joint Institute of Nuclear Research" (JINR) Dubna near Moscow/USSR and the University Lecturing Qualification at the TUD in 1970.
The Professorship with chair for Experimental Physics at the TUD Prof. Musiol has hold from 1969–1992 as chair of the Institute of Nuclear Physics and Automatization from 1970–1974 and as chair of the Institute of Applied Nuclear Physics from 1979–1992.
The most important teaching themes of Prof. Musiol concern Experimental Physics, Structure of Matter, Nuclear- and Elementary Particle Physics and Applied Nuclear Physics.
To the main directions of research belong 1. Spectrometric investigations of nuclei with short half-life at the 680-MeV-proton beam in the JINR, 2. Investigations of high-energetic atomic-ionization states inside of accelerated heavy ion rings at the collective accelerator of the JINR, 3. Investigations of processes and materials as well as control with nuclear radiations for industrial use (TUD) and 4. Absolute and precise determination of nuclearfission cross sections, important for nuclear energetics.
Most investigations have been performed in national or international co-operation.
In the years before entering into pension many effort Prof. Musiol spent for working in scientific bodies and commissions of experts at university-, national and international level.
The results of the investigations have been published together with co-authors in 49 publications in Scientific Journals with expert system, 33 in Scientific Journals without expert system and in 192 Research Reports.
There where well over 100 lectures at national and international conferences and continuation courses.

Prof. Musiol published co-authored 2 Text Books about Nuclear- and Elementary-Particle Physics and 3 Reference Books. One of the last is about "Physical Effects and their Applications"(3rd. Ed. 2005). The other two co-editored together with H. M¨uhlig are the "Handbook of Mathematics" in German (1st – 9th Ed. 2003-2013) and in English (4th – 6th Ed., Springer 2003-2015).

Prof. Dr. Heiner M uhlig

Student 1952-1957 Technical University Dresden (TUD); 1957 Diploma in Mathematics;
1958 Assistent at the TUD; 1967 Doctor degree Dr. rer. nat. TUD, 1970 Facultas Docendi quali cation to teach) in Numerical Mathematics; 1970 University lecturer (TUD);
1972-1977 Manager of the Department of Numerical Mathematics (TUD); 1993 Professor n Mathematics at the University of Applied Sciences (UAS) Zittau/G orlitz (Germany).
Since 1998 pensioner but teaching till 2008 (UAS) Zittau/G orlitz. Teaching and Research in Numerical Mathematics; co-operation with users of mathematical methods, especially with mechanical engineers; series of lectures "Mathematics for Mechanical Engineers".
Co-editor of the "Handbook of Mathematics", together with G. Musiol, (1st - 9th German Ed. 2003-2013) and in English (4th -6th Ed., Springer 2003-2015).

Users Review

From reader reviews:

Wanda Stamper:

Do you have favorite book? Should you have, what is your favorite's book? E-book is very important thing for us to be aware of everything in the world. Each guide has different aim or perhaps goal; it means that e-book has different type. Some people experience enjoy to spend their time to read a book. They may be reading whatever they consider because their hobby is reading a book. How about the person who don't like examining a book? Sometime, particular person feel need book after they found difficult problem or maybe exercise. Well, probably you should have this Handbook of Mathematics.

Marjorie Wright:

The book Handbook of Mathematics make one feel enjoy for your spare time. You should use to make your capable far more increase. Book can for being your best friend when you getting anxiety or having big problem using your subject. If you can make studying a book Handbook of Mathematics for being your habit, you can get considerably more advantages, like add your own capable, increase your knowledge about several or all subjects. You are able to know everything if you like open and read a book Handbook of Mathematics. Kinds of book are several. It means that, science book or encyclopedia or some others. So , how do you think about this e-book?

Myrtle Anderson:

Do you one among people who can't read enjoyable if the sentence chained from the straightway, hold on guys this specific aren't like that. This Handbook of Mathematics book is readable simply by you who hate those straight word style. You will find the data here are arrange for enjoyable looking at experience without

leaving actually decrease the knowledge that want to deliver to you. The writer regarding Handbook of Mathematics content conveys the thought easily to understand by many people. The printed and e-book are not different in the articles but it just different such as it. So , do you still thinking Handbook of Mathematics is not loveable to be your top list reading book?

Lisa Westra:

Don't be worry in case you are afraid that this book will filled the space in your house, you can have it in e-book way, more simple and reachable. This kind of Handbook of Mathematics can give you a lot of buddies because by you investigating this one book you have factor that they don't and make an individual more like an interesting person. This specific book can be one of one step for you to get success. This guide offer you information that maybe your friend doesn't recognize, by knowing more than additional make you to be great folks. So , why hesitate? We need to have Handbook of Mathematics.

Download and Read Online Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig #ELJH2OBQKCV

Read Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig for online ebook

Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig 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 Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig books to read online.

Online Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig ebook PDF download

Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig Doc

Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig Mobipocket

Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig EPub

ELJH2OBQKCV: Handbook of Mathematics By I.N. Bronshtein, K.A. Semendyayev, Gerhard Musiol, Heiner Mühlig