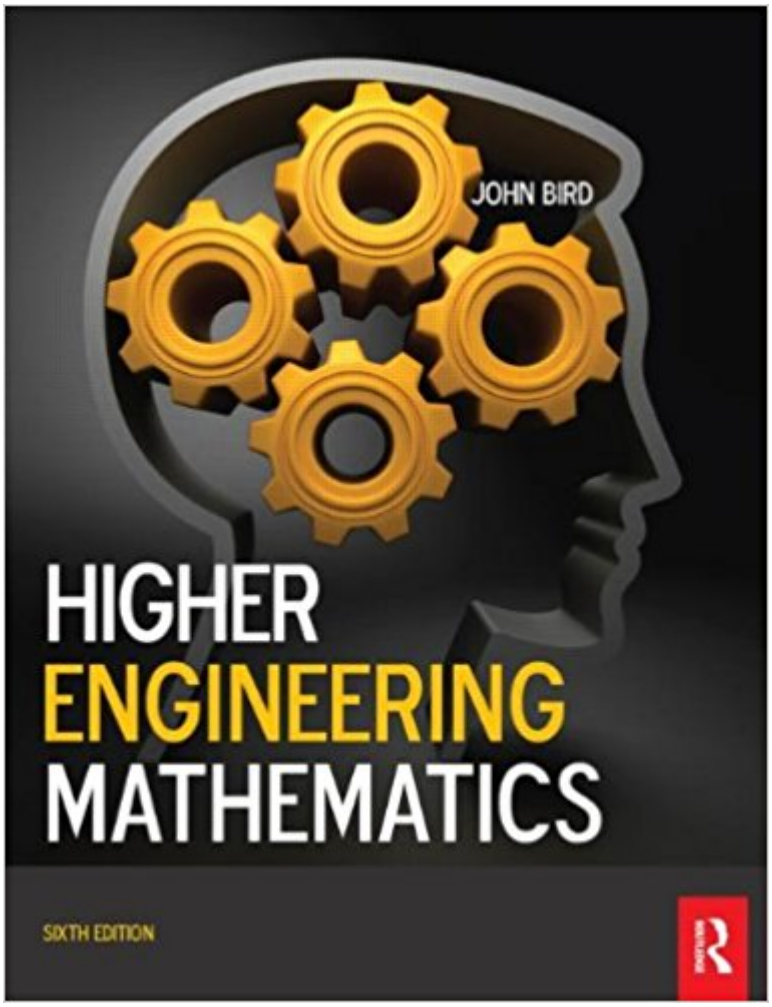
Higher Engineering Mathematics



Synopsis

Now in its sixth edition, Higher Engineering Mathematics is an established textbook that has helped many thousands of students to gain exam success. John Bird's approach is ideal for students from a wide range of academic backgrounds, and can be worked through at the student's own pace. Mathematical theories are examined in the simplest of terms, supported by practical examples and applications from a wide variety of engineering disciplines, to ensure that the reader can apply theory to practice. This extensive and thorough topic coverage makes this an ideal book for a range of university degree modules, foundation degrees, and HNC/D units. This new edition of Higher Engineering Mathematics has been further extended with topics specifically written to help first year engineering degree students and those following foundation degrees. New material has been added on logarithms and exponential functions, binary, octal and hexadecimal numbers, vectors and methods of adding alternating waveforms. This book caters specifically for the engineering mathematics units of the Higher National Engineering schemes from Edexcel, including the core unit Analytical methods for Engineers, and two optional units: Further Analytical Methods for Engineers and Engineering Mathematics, common to both the electrical/electronic engineering and mechanical engineering pathways. A mapping grid is included showing precisely which topics are required for the learning outcomes of eachÃ Â unit. Higher Engineering Mathematics contains examples, supported by 900 worked problems and 1760 further problems contained within exercises throughout the text. In addition, 19 revision tests, which are available to use as tests or as homework are included at regular intervals.

Book Information

Paperback: 704 pages
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Customer Reviews

John Bird, the author of over 100 textbooks on engineering and mathematical subjects, is the former Head of Applied Electronics in the Faculty of Technology at Highbury College, Portsmouth, U.K. More recently, he has combined freelance lecturing at Portsmouth University, with technical writing and Chief Examiner responsibilities for City and Guilds Telecommunication Principles and Mathematics, and examining for the International Baccalaureate Organisation. John Bird is currently a Senior Training Provider at the Royal Naval School of Marine Engineering in the Defence College of Marine and Air Engineering at H.M.S. Sultan, Gosport, Hampshire, U.K. The school, which serves the Royal Navy, is one of Europe’s largest engineering training establishments.

After years of neglect, I thought it was time to refresh my math... I have got online university math unit and was disappointed on how shallow it was for a semester and that much money. Then I started looking for books. Some were too basic, too slow and bored me to death. Others were too fast and left me in confusion. Finally found this book. It starts with basic additions etc. (not that I needed those :)) and moves to the nicer stuff at the right pace and ends with cool things like fourier etc.. I even finally understood few things that didn’t click with me in uni.Worked problems are excellent and covers various cases.I do recommend this book to anyone who is refreshing or even newly studying.

I thought this book would be an alternative to books by K. A. Stroud and Erwin Kreyszig. It isn’t as advanced as books bythese authors. This book IS slightly more advanced than Basic Engineering Mathematics books. Perhaps others havesuggestions for alternatives to books by Stroud and Kreyszig; I don’t.

Awesome!

A++++++

Highly recommend as a math reference, easy to read and understand with worked out examples. I use it every day as a referesher

Very useful, no need to worry about anything. The condition of new is excellent, very good overall nothing bad to say really.

Great condition and it came just in time. The item was just as new and great for its price. Highly recommended.

Some might not find it as advanced as they have expected, but the 7th edition makes this book even more helpful. Deserved 5 stars!

Higher Engineering Mathematics, Fourth Edition Higher Engineering Mathematics Modern Compressible Flow: With Historical Perspective. John D. Anderson, JR (Asia Higher Education Engineering/Computer Science Aerospace Engineering) Fluid Mechanics for Chemical Engineers (UK Higher Education Engineering Chemical Engineering) Conflict Management and Dialogue in Higher Education: A Global Perspective (International Higher Education) Top25 Best Sale - Higher Price in Auction - January 2013 - Vintage Pinball (Top25 Best Sale Higher Price in Auction Book 21) Channeling Your Higher Self: A Practical Method to Tap into Higher Wisdom and Creativity World List of Universities, 25th Edition: And Other Institutions of Higher Education (World List of Universities & Other Institutions of Higher Education) Higher and Higher: Making Jewish Prayer Part of Us Reforming The Higher Education Curriculum: Internationalizing The Campus (American Council on Education Oryx Press Series on Higher Education) Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I: Fractals in Pure Mathematics (Contemporary Mathematics) Mathematics for Finance: An Introduction to Financial Engineering (Springer Undergraduate Mathematics Series) Complex Analysis For Mathematics And Engineering (International Series in Mathematics) Maths in Action - Advanced Higher Mathematics 1 (Bk. 1) Discrete Mathematics and Its Applications Seventh Edition (Higher Math) Discrete Mathematics and Its Applications (Higher Math) Higher Topos Theory (AM-170) (Annals of Mathematics Studies) Measure Theory (The University Series in Higher Mathematics) IB Mathematics Higher Level Print and Online Course Book Pack: Oxford IB Diploma Program Gravity Sanitary Sewer Design and Construction (ASCE Manuals and Reports on Engineering Practice No. 60) (Asce Manuals and Reports on Engineering ... Manual and Reports on Engineering Practice)