



Introduction to Bessel Functions (Paperback)

By Frank Bowman

Dover Publications Inc., United States, 2010. Paperback. Condition: New. Language: English . Brand New Book. Physicists, mathematics students, designers of vibrating systems, mechanical, electrical, and civil engineers, aero- and hydro-dynamicists, and teachers of mathematics, physics, and engineering will find this book a full, clear introduction to the properties and applications of Bessel functions. Practically all of the advanced mathematics needed is developed in the text. Students who have had some calculus and the elements of differential equations should find this work completely self-contained and suitable for self-study, classroom use, or as a supplement to more general texts. Topics include Bessel functions of zero order, modified Bessel functions, definite integrals, asymptotic expansions, and Bessel functions of any real order. More than 200 problems throughout the book enable students to test and extend their understanding of the theory and applications of Bessel functions.



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