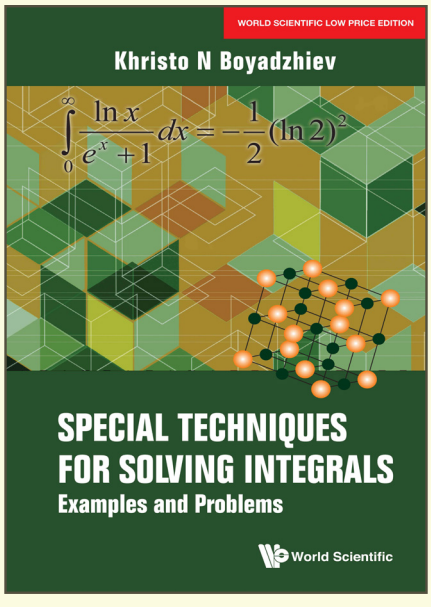
Special Techniques for Solving Integrals

Examples and Problems



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ABOUT THE BOOK

This volume contains techniques of integration which are not found in standard calculus and advanced calculus books. It can be considered as a map to explore many classical approaches to evaluate integrals. It is intended for students and professionals who need to solve integrals or like to solve integrals and yearn to learn more about the various methods they could apply. Undergraduate and graduate students whose studies include mathematical analysis or mathematical physics will strongly benefit from this material. Mathematicians involved in research and teaching in areas related to calculus, advanced calculus and real analysis will find it invaluable.

The volume contains numerous solved examples and problems for the reader. These examples can be used in classwork or for home assignments, as well as a supplement to student projects and student research.

READERSHIP

Graduate and undergraduate students, professors and researchers in mathematics related to calculus, advanced calculus, mathematical analysis, real analysis, and mathematical physics; physics, and engineering.

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