

## **Generalized Functions Theory and Technique** /

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Birkhäuser Boston, 1997

Electronic books

Monografía

The theory of generalized functions is a fundamental part of the toolkit of mathematicians, physicists, and theoretically inclined engineers. It has become increasingly clear that methods based on this theory, also known as the theory of distributions, not only help us to solve previously unsolved problems but also enalble us to recover known solutions in a very simple manner. This book contains both the theory and applications of generalized functions with a significant feature being the quantity and variety of applications. Definitions and theorems are stated precisely, but rigor is minimized in favor of comprehension of techniques. Most of the material is easily accessible to senior undergraduate and graduate students in mathematical, physical and engineering sciences. The background required is limited to the standard courses in advanced calculus, ordinary and partial differential equations, and boundary value problems. The chapters that are suitable as a one semester course are furnished with sets of exercises. This edition has been strengthened in many ways. Various new concepts have been added. Some of the new material has been reorganized to improve the logical flow of ideas. And the set of examples has been expanded considerably to make more of the ideas concrete in the reader's eye

Título: Generalized Functions Theory and Technique by Ram P. Kanwal

Edición: 2nd ed

Editorial: Boston, MA Birkhäuser Boston 1997

Descripción física: 1 online resource (474 pages)

Bibliografía: Includes bibliographical references (p. [449]-456) and index

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## Lengua: English

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**ISBN:** 9781468400359 electronic bk.) 1468400355 electronic bk.) 0817640061 9780817640064 3764340061 9783764340063

**Materia:** Mathematics Differential equations, Partial Functions, Special Differential equations, Partial Functions, Special Mathematics

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