1. Record Nr. UNINA9910438152903321

Autore	Kanwal Ram P
Titolo	Linear Integral Equations : Theory & Technique / / by Ram P. Kanwal
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Birkhäuser, , 2013
ISBN	1-4614-6012-3
Edizione	[2nd ed. 2013.]
Descrizione fisica	1 online resource (331 p.)
Collana	Modern Birkhäuser Classics, , 2197-1803
Disciplina	515.45
Soggetti	Integral equations Applied mathematics Engineering mathematics Differential equations Partial differential equations Integral transforms Operational calculus Mathematical physics Integral Equations Applications of Mathematics Ordinary Differential Equations Partial Differential Equations Integral Transforms, Operational Calculus Mathematical Applications in the Physical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Reprint of the 1997 edition."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Integral Equations with Separable Kernels -- Method Of Successive Approximations -- Classical Fredholm Theory.- Applications of Ordinary Differential Equations.- Applications of Partial Differential Equations -- Symmetric Kernels -- Singular Integral Equations -- Integral Transformation Methods -- Applications to Mixed Boundary Value Problems -- Integral Equations Perturbation Methods -- Appendix -- Bibliography -- Index.
Sommario/riassunto	Many physical problems that are usually solved by differential equation methods can be solved more effectively by integral equation methods.

Such problems abound in applied mathematics, theoretical mechanics, and mathematical physics. This uncorrected softcover reprint of the second edition places the emphasis on applications and presents a variety of techniques with extensive examples. Originally published in 1971, Linear Integral Equations is ideal as a text for a beginning graduate level course. Its treatment of boundary value problems also makes the book useful to researchers in many applied fields.