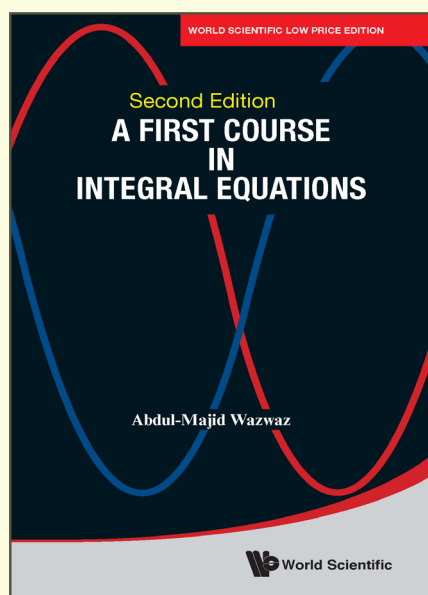


A First Course in Integral Equations, 2nd Edition



By **Abdul-Majid Wazwaz**
(Saint Xavier University, USA)

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REVIEW

"The second edition of this book is a well-explained initial course in integral equations and it is provided with numerous examples and exercises. This book can be useful for researchers, undergraduate and graduate students in applied mathematics, science and engineering."

– Zentralblatt MATH

ABOUT THE BOOK

This second edition integrates the newly developed methods with classical techniques to give both modern and powerful approaches for solving integral equations. It provides a comprehensive treatment of linear and nonlinear Fredholm and Volterra integral equations of the first and second kinds. The materials are presented in an accessible and straightforward manner to readers, particularly those from non-mathematics backgrounds. Numerous well-explained applications and examples as well as practical exercises are presented to guide readers through the text. Selected applications from mathematics, science and engineering are investigated by using the newly developed methods.

This volume consists of nine chapters, pedagogically organized, with six chapters devoted to linear integral equations, two chapters on nonlinear integral equations, and the last chapter on applications. It is intended for scholars and researchers, and can be used for advanced undergraduate and graduate students in applied mathematics, science and engineering.

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Advanced undergraduates, graduate students, and researchers in mathematics, science and engineering.

continued...

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