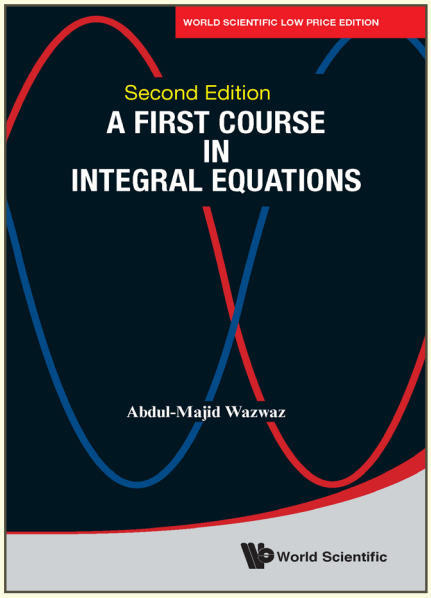
A First Course in Integral Equations, 2nd Edition



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

ISBN	9798886131444
Extent	328pp
Binding	Paperback
Year	2025
Price	Rs. 1395

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.

READERSHIP

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

continued...

CONTENTS

- Introductory Concepts
- Fredholm Integral Equations
- Volterra Integral Equations
- Fredholm Integro-Differential Equations
- Volterra Integro-Differential Equations
- Singular Integral Equations
- Nonlinear Fredholm Integral Equations
- Nonlinear Volterra Integral Equations
- Applications of Integral Equations

For orders and enquiries, please contact us:

FEEL Books

FEELBOOKS PVT. LTD.

DELHI	**4381/4 Ansari Road, Daryaganj, New Delhi 110002**		**Tel: +91-11-47472630**
	Pushpendra Kumar	**Mobile: +91 9015043442**	**Email: orders@feelbooks.in**
BENGALURU	**C-22, Brigade MM, KR Road, Jayanagar 7th Block, Bengaluru 560070**		**Tel: +91-80-26762129**
	Shekar Reddy	**Mobile: +91 9945234476**	**Email: bangalore@feelbooks.in**
MUMBAI	**Vijay Kumar**	**Mobile: +91 9871176434**	**Email: vkumar@feelbooks.in**
CHENNAI	**G Srinivasan**	**Mobile: +91 9003047502**	**Email: gsrinivasan@feelbooks.in**
KOLKATA	**Dhrubajyoti Bhattacharjee**	**Mobile: +91 9836160013**	**Email: dbhattacharjee@feelbooks.in**
HYDERABAD	**K.S.Vishwanath**	**Mobile: +91 9871745850**	**Email: kvishwanath@feelbooks.in**

***For Catalogues & title lists*: marketing@feelbooks.in**

FOLLOW US ON LinkedIn

www.feelbooks.in

FOLLOW US ON facebook

For any queries, please email us at marketing@feelbooks.in