


Birkhäuser

 1st
edition

 1st ed. 2020, X, 140 p. 1
illus. in color.

Printed book

Softcover

Printed book

Softcover

ISBN 978-3-030-48411-8

 £ 49,99 | CHF 65,00 | 54,99 € |
60,49 € (A) | 58,84 € (D)

Available

Discount group

Science (SC)

Product category

Monograph

Series

Frontiers in Mathematics

Mathematics : Functional Analysis

Bucur, Ileana, Paltineanu, Gavriil

Topics in Uniform Approximation of Continuous Functions

- Features compact and clearly presented proofs
- Focuses on approximation theory, providing the key concepts needed to grasp the subject matter
- Highlighting classic approximation results but also new work, it represents an important contribution to the area of approximation theory

This book presents the evolution of uniform approximations of continuous functions. Starting from the simple case of a real continuous function defined on a closed real interval, i.e., the Weierstrass approximation theorems, it proceeds up to the abstract case of approximation theorems in a locally convex lattice of (M) type. The most important generalizations of Weierstrass' theorems obtained by Korovkin, Bohman, Stone, Bishop, and Von Neumann are also included. In turn, the book presents the approximation of continuous functions defined on a locally compact space (the functions from a weighted space) and that of continuous differentiable functions defined on \mathbb{R}^n . In closing, it highlights selected approximation theorems in locally convex lattices of (M) type. The book is intended for advanced and graduate students of mathematics, and can also serve as a resource for researchers in the field of the theory of functions.

 Order online at [springer.com/booksellers](https://www.springer.com/booksellers)
Springer Nature Customer Service Center GmbH

Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com



ISBN 978-3-030-48411-8 / BIC: PBKF / SPRINGER NATURE: SCM12066

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

 Part of **SPRINGER NATURE**