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## **Kurzweil - Henstock Integral in Riesz Spaces**

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## About the ebook

This Ebook is concerned with both the theory of the Kurzweil-Henstock integral and the basic facts on Riesz spaces. The Šipoš integral is also illustrated. It is an introductory textbook to the Kurzweil-Henstock integral as well as to some algebraic structures which are important in applications to integration and probability theory.

## Contents

- Elementary Introduction to Kurzweil-Henstock Integral
- Elementary Theory of Riesz Spaces
- Kurzweil Henstock Integral with Values in Riesz Spaces
- Double Integrals
- Kurzweil Henstock Integral in Topological Spaces
- Convergence Theorems
- Improper Integral
- Choquet and Sipos Integrals

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