

A Textbook of Engineering Mathematics (PTU-I)

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Product Description

The subject of Engineering Mathematics is an integral part of the course curriculum of Bachelor of Engineering/Technology (BE/BTech) programme of all Indian Universities. The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the Fronts. The book in your hand is a first step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics We hope to see that day when we hear from our student that Mathematics is a wonderful subject and you all are relishing it. This book is designed to serve as a textbook for the students of B.Tech. (All Branches) Semester-I of Punjab Technical University, Jalandhar While writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can built basic and conceptual knowledge in the subject



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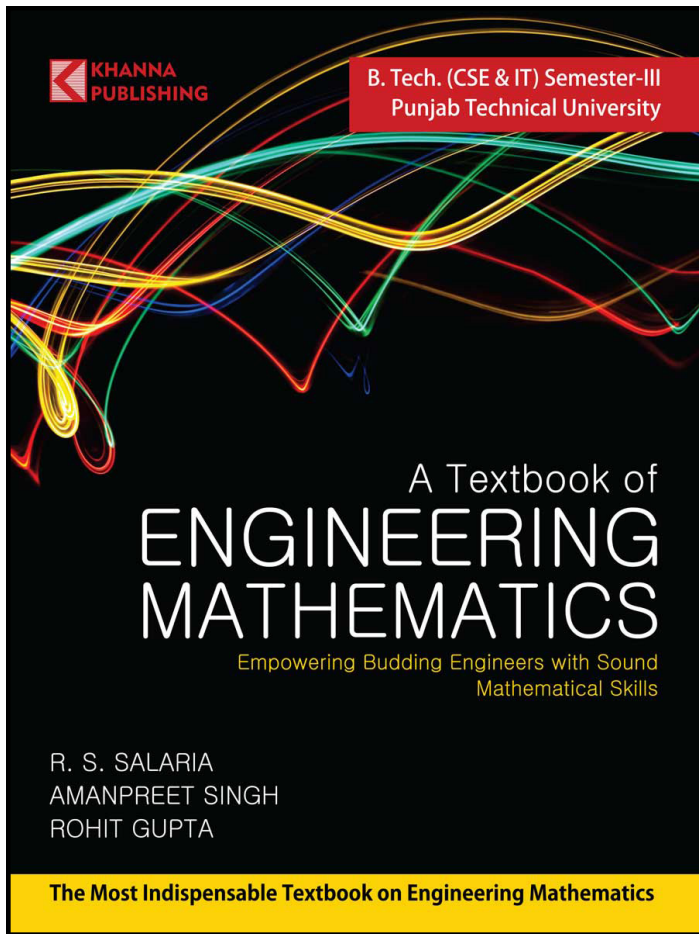
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 - Chapter 1: Differential Calculus
 - Chapter 2: Partial Derivatives
 - Chapter 3: Applications of Partial Differentiation
 - Chapter 4: Integral Calculus
 - Chapter 5: Introduction to Three Dimensional Geometry
 - Chapter 6: Multiple Integrals
 - Chapter 7: Vector Calculus
 - Chapter 8: Applications of Vector Calculus
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Author

R.S. Salaria Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. **Amanpreet Singh** Amanpreet Singh SGTB Khalsha College, Anandpur Sahib, Formerly with Rayat-Bahra Institute of Engineering & Nano Technology, Hoshiarpur. </p>





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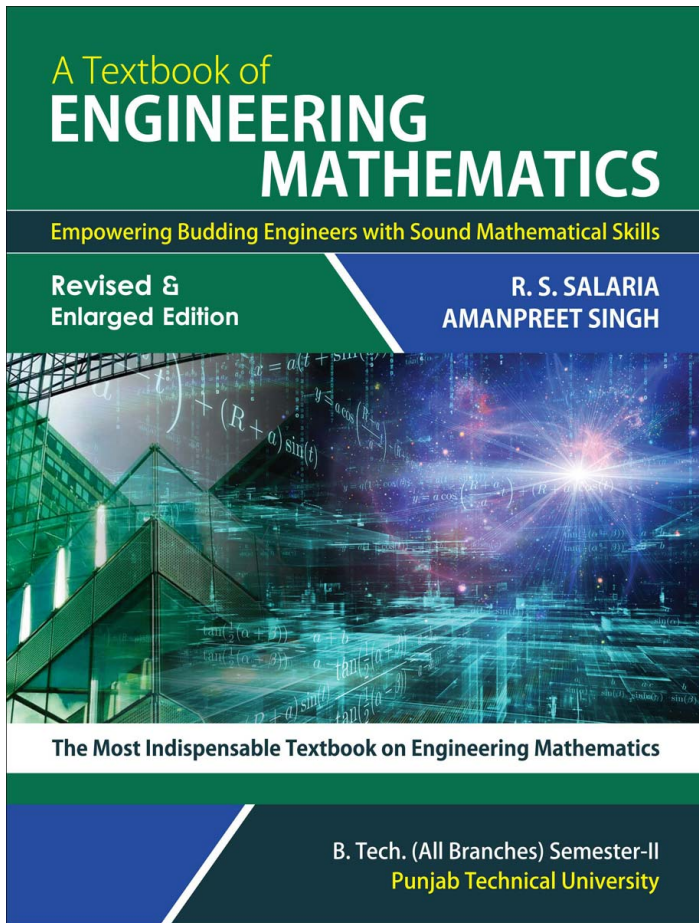
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 - Chapter 1: Fourier Series
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 - Chapter 5: Linear Systems and Eigen-Values
 - Chapter 6: Numerical Solution of Ordinary Differential Equations
 - Chapter 7: Probability Distributions
 - Chapter 8: Sampling Distribution and Testing of Hypothesis
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A Textbook of Engineering Mathematics (PTU-II)

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Table of Contents

Chapter 0: Useful Formulae, Theorems and Results

Chapter 1: Ordinary Differential Equations of First Order

Chapter 2: Linear Ordinary Differential Equations of Second and Higher Order

Chapter 3: Applications of Differential Equations

Chapter 4: Linear Algebra

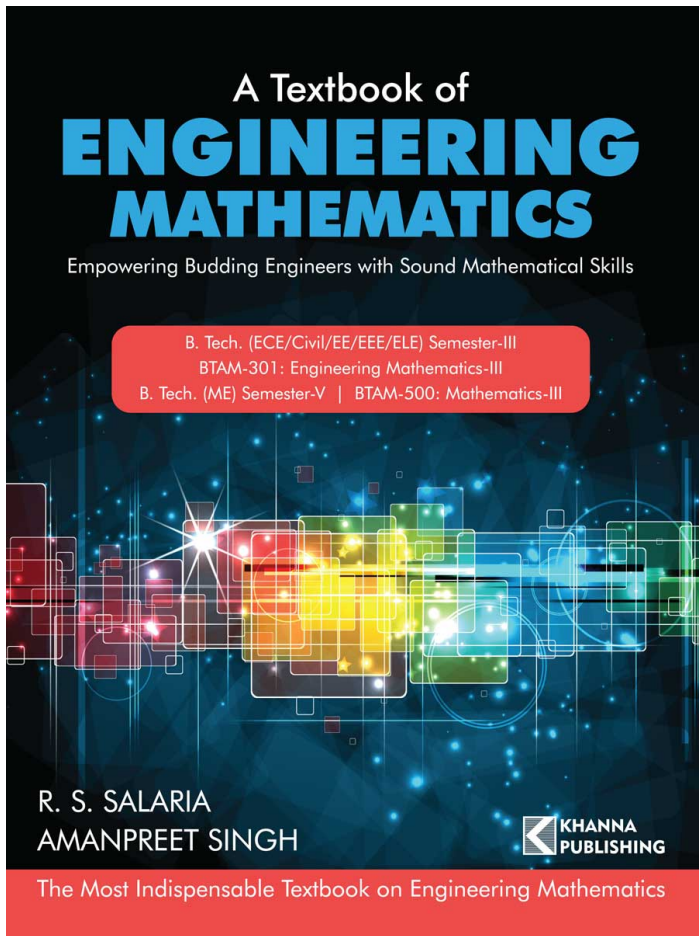
Chapter 5: Infinite Series

Chapter 6: Complex Numbers

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A Textbook of Engineering Mathematics-III (ECE/Civil/EE/EEE/ELE)

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- Chapter 0: Useful Formulae, Theorems and Results
- Chapter 1: Fourier Series
- Chapter 2: Laplace Transformations
- Chapter 3: Special Functions
- Chapter 4: Partial Differential Equations
- Chapter 5: Applications of Partial Differential Equations
- Chapter 6: Functions of Complex Variables



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