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Indices.

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This book is intended to serve as a textbook for courses in engineering physics, and as a reference for researchers in theoretical physics with engineering applications introduced via study projects, which will be useful to researchers in analog and digital signal processing. The material has been drawn together from the author's extensive teaching experience, interpreting the classical theory of Landau and Lifschitz. The methodology employed is to describe the physical models via ordinary or partial differential equations, and then illustrate how digital signal processing techniques based on discretization of derivatives and partial derivatives can be applied to such models.

A Txtbook of Engineering Physics is written with two distinct objectives:to provied a single source of information for engineering undergraduates of different specializations and provied them a solid base in physics.Successivs editions of the book incorporated topic as required by students pursuing their studies in various universities.In this new edition the contents are fine-tuned,modeinized and updated at various stages.

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