

Engineering Electromagnetism



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出版者:Oxford University Press, USA

出版时间:1994-7-21

装帧:Paperback

isbn:9780198562887

The aim of the book and its associated computer disk is to explain the physical nature of electric and magnetic fields encountered in electrical engineering. Field problems are inherently difficult because fields are distributed in space and can exist in what is usually regarded as empty space devoid of matter. The customary approach to fields problems is through algebraic methods and the solution of equations. The book emphasizes instead a method based on geometry which enables the student to visualize the fields. Backed by a computer program (available to download at the bottom of this page) giving visual displays, the method enables the student to attempt real problems and to use design methods. A comprehensive survey of numerical and analytical methods is provided and examples of engineering applications are discussed.

作者介绍:

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