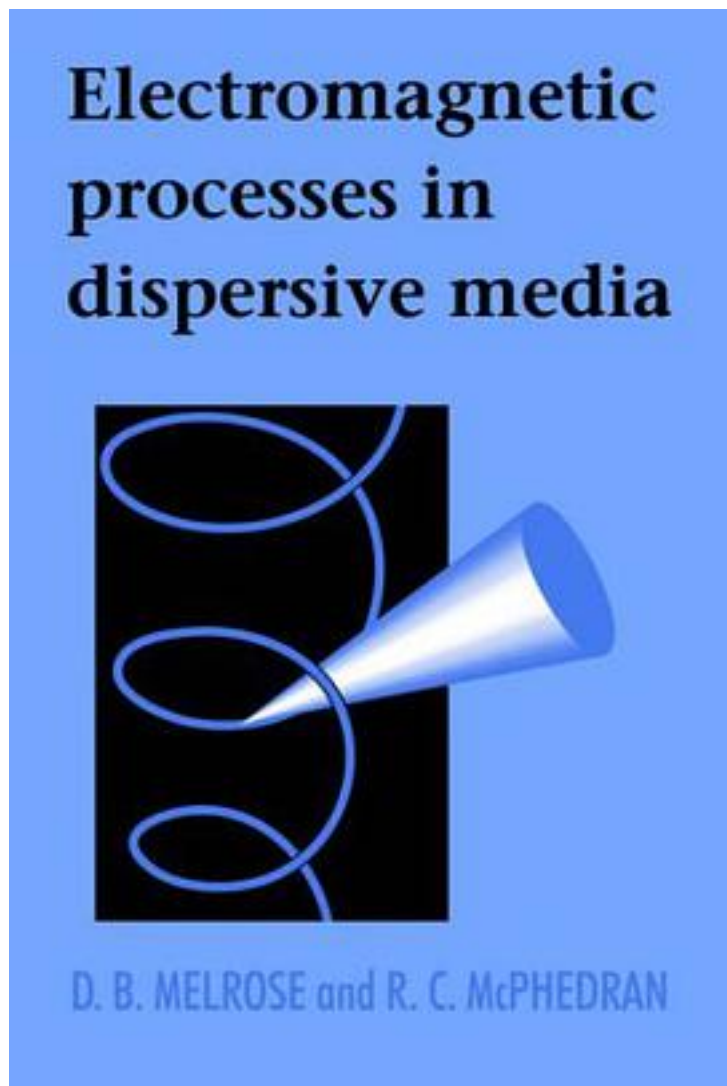


Electromagnetic Processes in Dispersive Media



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出版者:Cambridge University Press

出版时间:2005-08-22

装帧:Paperback

isbn:9780521018487

This is an advanced text on electromagnetic theory, presenting a systematic discussion of electromagnetic waves and radiation processes in a wide variety of media. The treatment, taken from the field of plasma physics, is based on the dielectric tensor, and this permits the discussion of media outside the scope of the usual approach adopted in most textbooks on electromagnetism. The approach taken also has notable advantages when applied to the conventional emission processes of electromagnetic theory. The authors have thus unified the approaches used in plasma physics and astrophysics on the one hand, and in optics on the other. The book has been written clearly and pedagogically, and will be therefore of value to senior undergraduates, graduate students, lecturers and researchers. Students will find the exercises provided at the end of each chapter particularly useful.

作者介绍:

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