



Antenna and Wave Propagation, 1/e

Kamal Kishore

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About the Book

The aim of this book is to give an introduction to the fundamental principles of antennas and wave propagation. Unlike other books available, there is more emphasis on mathematical explanation in addition to physical understanding. Physical principles are explained in detail with clear diagrams to support the theory.

Salient Features

- ▶ Brief introduction to electromagnetic waves
- ▶ Physical understanding of radiation mechanism
- ▶ Parameters associated with antenna, directivity, gain, radiation pattern etc.
- ▶ Various types of antenna including dipole, linear antenna, antenna arrays and aperture antennas.
- ▶ Physical mechanisms of various types of propagation processes.

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About the Author

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Kamal Kishore is faculty member at DAV Institute of Engineering and Technology where he is teaching course in Engineering Physics and Electromagnetic Field Theory. His areas of interest are Computational Electromagnetics, Electromagnetic Interference and Electromagnetic Compatibility. He has written two books, one on Engineering Physics and other on Microwave and Radar Engineering. Kamal Kishore is a member of Indian Society for Technical Education (ISTE), Indian Association of Physics Teachers (IAPT), and Punjab Academy of Sciences (PAS).