

# Antenna Theory: Analysis and Design (Third Edition)

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### Reviews

Very helpful to all category of individuals. It is definitely simplified but surprises inside the 50 percent of your pdf. I am very happy to inform you that this is actually the very best pdf i have read in my very own lifestyle and may be he finest pdf for actually. (Christelle Treutel)

#### ANTENNA THEORY: ANALYSIS AND DESIGN (THIRD EDITION)



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Wiley India Pvt. Ltd., 2016. Softcover. Condition: New. 5th or later edition. The Third Edition of Antenna Theory is designed to meet the needs of electrical engineering and physics students at the senior undergraduate and beginning graduate levels, and those of practicing engineers as well. The text assumes that the students have a knowledge of basic undergraduate electromagnetic theory, including Maxwell`s equations and the wave equation, introductory physics, and differential and integral calculus. The third edition offers the following new material: ? A chapter on Smart Antennas, which is presently a hot topic and of current concern to antenna engineers in a number of varied application areas, ? A Fractal Antenna Section, which introduces a new class of antennas that was developed after the second edition was published ? New end of chapter tables that provide a summary of important equations in the respective chapters ? Additional new figures and tables to better illustrate some concepts An important new feature is the Multimedia Material which will be in a CD in the book. This CD presents: ? Power Point view graphs in color of lecture notes ? Animations/applets for jmost of the chapters based on JAVA ? Visualizations based on MATLAB ? Computer programs with applications to topics in the various chapters Contents:- Preface. 1. Antennas. 2. Fundamental Parameters of Antennas. 3. Radiation Integrals and Auxiliary Potential Functions. 4. Linear Wire Antennas. 5. Loop Antennas. 6. Arrays: Linear, Planar, and Circular. 7. Antenna Synthesis and Continuous Sources. 8. Integral Equations, Moment Method, and Self and Mutual Impedances. 9. Broadband Dipoles and Matching Techniques. 10. Traveling Wave and Broadband Antennas. 11. Frequency Independent Antennas, Antenna Miniaturization and Fractal Antennas. 12. Aperture Antennas. 13. Horn Antennas. 14. Microstrip Antennas. 15. Reflector Antennas, Antennas, 17. Antenna Measurements. Appendices. Index. Printed Pages:...

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