

# ANTENNA THEORY

ANALYSIS  
AND DESIGN

FOURTH EDITION

CONSTANTINE A. BALANIS

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# Balanis Antenna Theory Solution Manual 3rd Edition

**Albert A Gayle**



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Antenna Theory: Analysis and Design, 2nd Ed Balanis,2007-09 Market\_Desc Electrical Engineers Advanced Undergraduate Graduate Students in Electrical Engineering Special Features Computer programs at the end of each chapter and the accompanying disk assist in problem solving design projects and data plotting Includes updated material on moment methods radar cross section mutual impedances aperture and horn antennas and antenna measurements Outstanding 3 dimensional illustrations help readers visualize the entire antenna radiation pattern About The Book This edition provides the most up to date resource available for a complete knowledge of antenna theory and design Expanded coverage of design procedures and equations makes meeting ABET design requirements easy and prepares readers for authentic situations in industry New coverage of microstrip antennas exposes readers to information vital to a wide variety of practical applications

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arrays and the author is the leading researcher in this field The text frequently refers to the historical development of antennas which no other text does About The Book This text is the classic work in Antenna Theory and Design and is just as relevant to the field today as it was when first published in 1981 It provides an analytic treatment with supporting experimental evidence of the major topics of concern to antenna designers This is a broad ranging text that covers most of the relevant topics in antenna theory providing fundamental methods of analysis that can be used to predict the electromagnetic behavior of nearly everything that radiates This stress on the fundamentals is what makes the text valuable twenty one years after its first publication It not only presents the theory but goes on to show very insightful examples of its application to real design problems

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