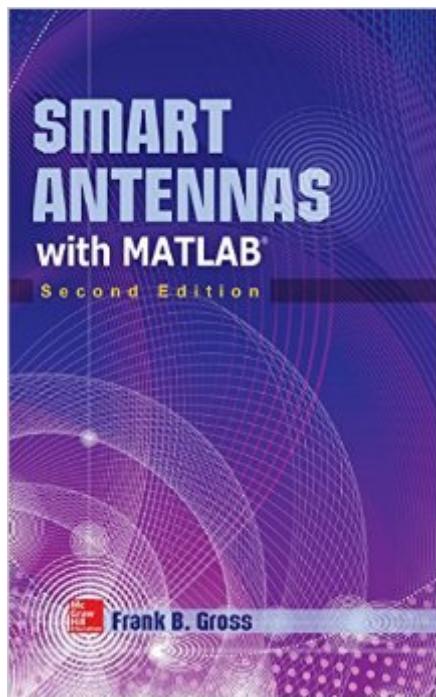


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Smart Antennas With MATLAB, Second Edition



Synopsis

The most complete, current guide to smart antenna design and performance. Featuring new coverage of reconfigurable antennas, vector antennas, and direction-finding antennas, this up-to-date resource offers a rigorous review of the basic electromagnetic principles that drive smart antenna design and deployment. Case studies and worked examples using MATLAB are provided. End-of-chapter assignments reinforce the concepts presented. Thoroughly revised to reflect recent developments and the latest technologies, this is a comprehensive reference for all professionals, students, and researchers in the field of smart antennas. *Smart Antennas with MATLAB, Second Edition*, covers:

- Fundamentals of electromagnetic fields
- Antenna fundamentals
- Array fundamentals
- Principles of random variables and processes
- Propagation channel characteristics
- Angle-of-arrival estimation
- Smart antennas
- Direction finding
- Electromagnetic vector sensors
- Smart antenna design and optimization

Book Information

Hardcover: 400 pages

Publisher: McGraw-Hill Education; 2 edition (April 22, 2015)

Language: English

ISBN-10: 0071822380

ISBN-13: 978-0071822381

Product Dimensions: 6 x 1 x 9.1 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

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