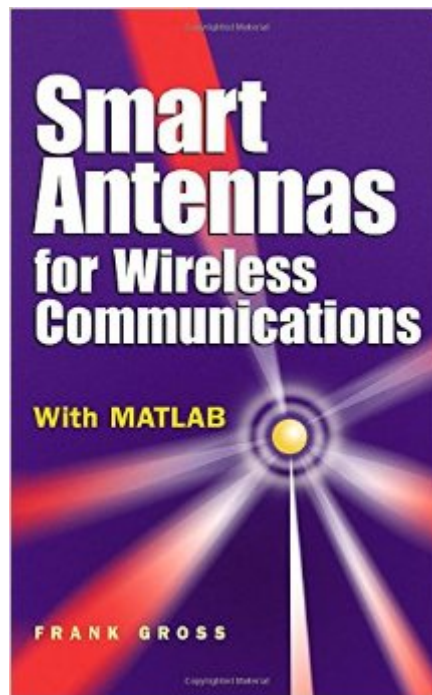


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# Smart Antennas For Wireless Communications: With MATLAB (Professional Engineering)



## Synopsis

Smart antennas boost the power of a wireless network, saving energy and money and greatly increasing the range of wireless broadband. Smart Antennas is a rigorous textbook on smart antenna design and deployment.

## Book Information

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## Customer Reviews

This textbook is the best of all fundamental texts on smart antennas and adaptive arrays. It reduces this complex topic into the basic elements that are necessary for understanding smart antennas. Basic chapters are written on electromagnetics, antennas, arrays, random processes, channel modeling, spectral estimation, and adaptive arrays. Most chapters include worked out Matlab examples illustrating concepts just explained. The Matlab codes for each example, figure, and homework problems are included with the text. I have seen no other comparable text which lucidly explains the foundations of smart antennas and which also gives computer examples.

The author gives an excellent treatment of beamforming methods which is clearer than many other treatments. Included are easy-to-understand worked examples which drive home the text material. Part of the field of Smart Antennas is array signal processing which is treated in chapters 4, 5, & 7 as well as chapter 8. Not much is written about MIMO processing in chapter 6; perhaps this

topic could be expanded in later editions; even so, the minimal treatment is presented well.

it has matlab examples so that it is easy to understand. but it started from very basic things. For someone who wants to know adaptive antenna itself, it may be boring.

I have a variety of books to help me solve problems. This will be a good addition to my collection. Book arrived quickly.

Matlab codes to me is not enough. The book concentrated more on the basics of antenna and discussion on smart antenna was not much as i expected.

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