

Space-Time Codes and MIMO Systems



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MIMO (multiple input and multiple output) is the technology that is advancing the

wireless industry from Third Generation (3G) to cutting edge Fourth Generation (4G) systems, and this book is the professional engineer's essential guide to MIMO. It takes readers step-by-step from the basics of MIMO through various coding techniques to such advance topics as multiplexing and packet transmission. Practical examples are emphasized and arcane math is kept to a minimum, so field engineers can quickly and thoroughly understand the essentials of MIMO. The book takes a systems view of MIMO technology to help engineers quickly analyze the benefits and drawbacks of any MIMO systems. Professionals find detailed coverage of a critical up-and-coming topic not covered in any other book -- direct interfacing of a CDMA system, such as IS-95 with an OFDM system. This approach helps engineers design systems that can meet the ever-increasing need for higher throughput wireless communication. CD-ROM Included! Features software to simulate wireless systems as well as tutorial software.

作者介绍:

目录:

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