



Principles of Wireless Communications

By Sonya, Muthukumaran

Condition: New. Publisher/Verlag: Scholar's Press | In this book deals with the fundamental cellular radio concepts such as frequency reuse and handoff. This also demonstrates the principle of trunking efficiency and how trunking and interference issues between mobile and base stations combine to affect the overall capacity of cellular systems. It presents different ways to radio propagation models and predict the large scale effects of radio propagation. This also covers small propagation effects such as fading, time delay spread and Doppler spread and describes how to measures signal bandwidth. The objective of the student should be made to know the characteristic of wireless channel, learn the various cellular architectures, understand the concepts behind various digital signalling schemes for fading channels and also be familiar the various multipath mitigation techniques and multiple antenna systems. The outcomes of the course, the student should be able to characterize wireless channels, design and implement various signalling schemes for fading channels, design a cellular system, compare multi path mitigation techniques and analyze their performance, design with transmit/receive diversity and MIMO systems. | Format: Paperback | Language/Sprache: english | 184 pp.



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Reviews

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