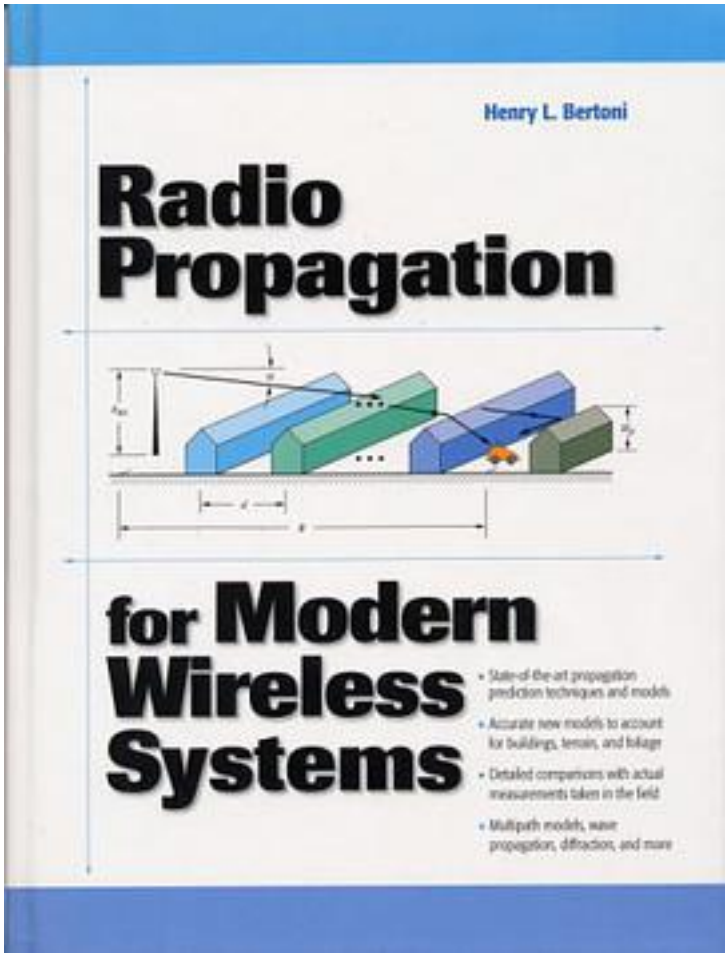
Radio Propagation for Modern Wireless Systems



Radio Propagation for Modern Wireless Systems_下载链接1_

著者:Henry L. Bertoni

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To build wireless systems that deliver maximum performance and reliability, engineers need a detailed understanding of radio propagation. Drawing on over 15 years of experience, leading wireless communications researcher Henry Bertoni presents the

most complete discussion of techniques for predicting radio propagation ever published. From its insightful introduction on spectrum reuse to its state-of-the-art real-world models for buildings, terrain, and foliage, Radio Propagation for Modern Wireless Systems delivers invaluable information for every wireless system designer. Coverage provides: * A door to the understanding of radio wave propagation for the wireless channel. * In-depth study of the effects on path loss of buildings, terrain, and foliage. * A unified view of key propagation effects in narrowband and wideband systems, including spatial variation, angle of arrival, and delay spread. * Readable account of diffraction at building corners, with worked out examples. * Never-before-published coverage of mobile-to-mobile path loss in cities. * Effective new ray-based models for site-specific predictions and simulation of channel statistics. * Simulations of fast fading and shadow loss. From start to finish, Radio Propagation for Modern Wireless Systems presents sophisticated models-and compares their results with actual field measurements. With thorough coverage and extensive examples from both narrowband and wideband systems, it can help any wireless designer deliver more powerful, cost-effective services.

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