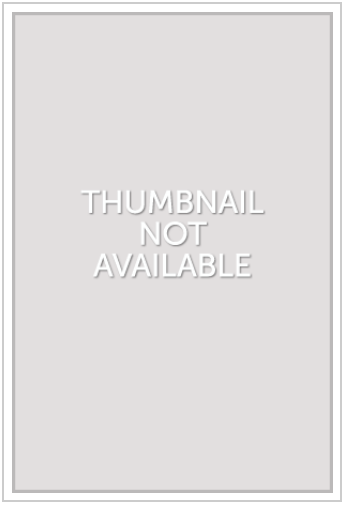

COMMUNICATIONS SYSTEM in MATLAB. CHANNEL MODELING, MEASUREMENTS, FILTERING and VISUAL ANALYSIS

By A. Smith

CreateSpace Independent Publishing Platform. Paperback. Condition: New. This item is printed on demand. 324 pages. Dimensions: 10.0in. x 8.0in. x 0.7in.Communications System Toolbox enables you to model and visualize noisy SISO and MIMO channels having Rayleigh, Rician, or WINNER II fading profiles. Multiple Doppler spectrum shapes are available. In addition, you can model RF impairments arising from actual hardware implementation. Communications System Toolbox provides quantitative tools for measuring system performance. Use graphical utilities such as constellation and eye diagrams to visualize the effects of various impairments and corrections. Communications System Toolbox includes tools using either MATLAB or Simulink for signal conditioning filtering. This Toolbox includes several functions, objects, and blocks that can help you design and use filters. Other filtering capabilities are in the Signal Processing Toolbox and the DSP System Toolbox. Without propagation delays, both Hilbert filters and raised cosine filters are noncausal. This means that the current output depends on the systems future input. In order to design only realizable filters, the hilbiir function delays the input signal before producing an output. This delay, known as the filters group delay, is the time between the filters initial response and its peak response. Some linear modulator blocks provide the...

Reviews

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