Abstracts

Application of polyspectral techniques to nonlinear modeling and compensation

This paper introduces polyspectral techniques to the microwave community by describing their application to nonlinear component and system modeling, as well as compensation design. Basic features of the method are provided, and a specific application is given to the blackbox modeling of a commercial 20-GHz traveling-wave tube amplifier using 9.6 Gbps, 16-APK input signals.

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