Abstracts

Nonlinear System and Subsystem Modeling in Time Domain

M.I. Sobhy, E.A. Hosny, M.W.R. Ng and E.A. Bakkar. "Nonlinear System and Subsystem Modeling in Time Domain." 1996 Transactions on Microwave Theory and Techniques 44.12 (Dec. 1996, Part II [T-MTT] (1996 Symposium Issue)): 2571-2579.

Nonlinear models of microwave subsystems are identified from time domain measurements. Scattering functions in the form of nonlinear time domain functions are used to derive a system identification model instead of an equivalent circuit. The advantage being the simplicity of the measurement and the developed models and the speed and accuracy of the simulation of the entire system.

❑ Return to main document.