

Abstracts

Accurate RF and microwave system level modeling of wideband nonlinear circuits

E. Ngoya, N. Le Gallou, J.M. Nebus, H. Buret and P. Reig. "Accurate RF and microwave system level modeling of wideband nonlinear circuits." 2000 MTT-S International Microwave Symposium Digest 00.1 (2000 Vol. 1 [MWSYM]): 79-82.

Accurate system level simulation is indispensable for efficient RF communication system design. However system level models of nonlinear circuits are today very limited by their inability to handle nonlinear memory effects. The paper describes a new approach of system-level modeling which accounts efficiently for nonlinear envelope memory effects of wideband amplifiers, multipliers and mixers.

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