

Abstracts

Numerical Analysis of Intermodulation Distortion in Microwave Mixers

V. Rizzoli, C. Cecchetti and A. Lipparini. "Numerical Analysis of Intermodulation Distortion in Microwave Mixers." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 1103-1106.

The paper introduces a general-purpose program for intermodulation distortion analysis in microwave mixers. The program can perform full nonlinear simulations of arbitrarily defined circuits simultaneously excited by three independent sinusoidal sources. The analysis relies upon a three-dimensional sampling waveforms coupled with a triple Fourier transform.

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