Abstracts

Compressed Transient Analysis Speeds Up the Periodic Steady State Analysis of Nonlinear Microwave Circuits

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Harmonic Balance is nowadays the most efficient method for the periodic steady state analysis of microwave circuits. Unfortunately this method cannot conveniently handle realistic wide band input signals, because its computation time grows rapidly with the number of harmonics. A new method is proposed which resolves the above mentioned limitation of the Harmonic Balance. A substantial computation time saving is obtained with respect to the Harmonic Balance.

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