

# Abstracts

## Envelop Transient Analysis: A New Method for the Transient and Steady State Analysis of Microwave Communication Circuits and Systems

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*E. Ngoya and R. Larcheveque. "Envelop Transient Analysis: A New Method for the Transient and Steady State Analysis of Microwave Communication Circuits and Systems." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1365-1368.*

The two popular and general purpose simulation techniques. Time Domain Integration and Harmonic Balance, do not fulfill the requirement for analysis of microwave communication systems with arbitrary modulated carrier frequency. A new technique is presented, which overcomes this default. A dramatic saving in computer memory space and computation time is obtained with respect to the previous methods.

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