

Abstracts

Analysis of Lossy Multiconductor Transmission Lines Using the Asymptotic Waveform Evaluation Technique (1991 Vol. III [MWSYM])

T. Tang, M. Nakhla and R. Griffith. "Analysis of Lossy Multiconductor Transmission Lines Using the Asymptotic Waveform Evaluation Technique (1991 Vol. III [MWSYM])." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 983-986.

A new method is described for the transient analysis of lossy coupled transmission line networks with linear or nonlinear terminations. This method is based on an asymptotic waveform evaluation technique which offers two to three orders of magnitude speedup when compared to previously published methods with comparable accuracy. The method is useful for delay and crosstalk simulation of high speed VLSI interconnects.

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