

Abstracts

Analysis of High-Speed Interconnects in the Presence of Electromagnetic Interference (1996 Vol. III [MWSYM])

R. Khazaka and M. Nakhla. "Analysis of High-Speed Interconnects in the Presence of Electromagnetic Interference (1996 Vol. III [MWSYM])." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1811-1814.

The recently developed complex frequency hopping technique for interconnect analysis is expanded to include the effects of incident electromagnetic fields. The generalized technique is important for susceptibility analysis and is 2 to 3 orders of magnitude faster than conventional simulation techniques. In addition it can be easily extended to the analysis of interconnects with frequency dependent parameters and nonlinear terminations.

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