

# Abstracts

## High Speed Digital System Simulation Using Frequency Dependent Transmission Line Network Modeling

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*M.S. Basel, M.B. Steer, P.D. Franzon and D. Winkelstein. "High Speed Digital System Simulation Using Frequency Dependent Transmission Line Network Modeling." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 987-990.*

A robust and accurate method for the analysis of high speed digital circuits with a lossy, frequency-dependent transmission line network is presented. Implementation in an analog circuit simulator, using convolution and time-domain scattering parameters, in combination with a linear microwave circuit simulator is discussed.

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