

Abstracts

Time Domain Simulation of Uniform and Nonuniform Multiconductor Lossy Lines by the Method of Characteristics

N. Orhanovic, V.K. Tripathi and P. Wang. "Time Domain Simulation of Uniform and Nonuniform Multiconductor Lossy Lines by the Method of Characteristics." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1191-1194.

A numerical technique to compute the time domain response of multiconductor lossy uniform and nonuniform lines terminated in general nonlinear elements is presented. The technique is based on the generalized method of characteristics and is used to study signal delay, distortion and crosstalk in interconnections in integrated circuits and chip carriers.

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