

Abstracts

Sensitivity Analysis of Lossy Coupled Transmission Lines (1991 Vol. III [MWSYM])

S. Lum and M. Nakhla. "Sensitivity Analysis of Lossy Coupled Transmission Lines (1991 Vol. III [MWSYM])." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 979-982.

An analysis method, based on the numerical inversion of the Laplace transform, is described for the evaluation of the time domain sensitivity of networks which include lossy coupled transmission lines. The sensitivity can be calculated with respect to network components and parameters of the transmission lines. Examples and comparisons with sensitivity determined by perturbation are presented.

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