

Abstracts

A SPICE Model for Multiple Coupled Microstrips and Other Transmission Lines (Dec. 1985 [T-MTT])

V.K. Tripathi and J.B. Rettig. "A SPICE Model for Multiple Coupled Microstrips and Other Transmission Lines (Dec. 1985 [T-MTT])." 1985 Transactions on Microwave Theory and Techniques 33.12 (Dec. 1985 [T-MTT] (1985 Symposium Issue)): 1513-1518.

A general multiple coupled line model compatible with standard CAD programs, such as SPICE, is presented. It is shown that the model can be used to help analyze and design coupled line (e.g., microstrip) circuits with linear, as well as nonlinear/time varying terminations, and to help study the pulse propagation characteristics in high-speed digital circuits.

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