

Abstracts

SPICE-compatible models for multiconductor transmission lines in Laplace-transform domain

A.R. Djordjevic. "SPICE-compatible models for multiconductor transmission lines in Laplace-transform domain." 1997 *Transactions on Microwave Theory and Techniques* 45.5 (May 1997, Part I [T-MTT]): 569-579.

Two models for multiconductor transmission lines are presented that are compatible with SPICE. One model is based on a Thevenin equivalent circuit and the other model is based on mode decoupling. The models contain controlled generators in the Laplace-transform domain and are able to handle lossy lines with frequency-dependent parameters.

[Return to main document.](#)