

Abstracts

Electromagnetic field coupling to multiconductor transmission lines in multi-layered media

I. Erdin, R. Khazaka and M. Nakhla. "Electromagnetic field coupling to multiconductor transmission lines in multi-layered media." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1263-1266.

An accurate and efficient method for the analysis of incident field coupling to traces in inhomogenous media is described. The method is based on the application of physical optics in combination with the boundary matching technique. In addition to accounting for the inhomogeneity of the medium, this method provides significant CPU improvement over conventional techniques.

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