

## Analysis of Conductor Losses in High-Speed Interconnects

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*T.E. van Deventer, L.P.B. Katehi and A.C. Cangellaris. "Analysis of Conductor Losses in High-Speed Interconnects." 1994 Transactions on Microwave Theory and Techniques 42.1 (Jan. 1994 [T-MTT]): 78-83.*

This paper describes the influence of conductor losses on the crosstalk between coupled interconnecting lines using an integral equation method. The method combines a full-wave space domain Green's function in the dielectric regions with a quasi-static Green's function in the conductors. Following this procedure, propagation characteristics are derived in the frequency and time domain and presented for various geometries.

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