

Abstracts

Reduction of Edge Reflections in the TLM Model (Jun./Jul. 1993 [T-MTT])

I.G. Gosling. "Reduction of Edge Reflections in the TLM Model (Jun./Jul. 1993 [T-MTT])." 1993 Transactions on Microwave Theory and Techniques 41.6 (Jun./Jul. 1993 [T-MTT]): 1057-1064.

In the transmission-line matrix (TLM) method, spurious reflection is encountered at the edge of the mesh. By modeling the infinite region exterior to the mesh by transformation to a finite region and discretization by a second mesh, the magnitude of reflection is much reduced. Numerical results are presented together with an application.

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