

Abstracts

A multi-resolution MoM analysis of multiport structures using matched terminations

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This paper presents the modeling of microstrip structures involving matched terminations with multi resolution 1-D method of moment (MoM). Semi-orthogonal (SO) spline wavelets are used to obtain a sparse system while a modeling of matched terminations enables a full multiport characterization. Theoretical results involving microstrip dipoles are presented and compared with experiments.

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