Abstracts

Identifying S-parameter models in the Laplace domain for high frequency multiport linear networks

A. Verschueren, Y. Rolain, R. Vuerinckx and G. Vandersteen. "Identifying S-parameter models in the Laplace domain for high frequency multiport linear networks." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. I [MWSYM]): 25-28.

The aim is to build a model for the S-parameter matrix of a linear, time invariant multiple-port system operating at RF frequencies. The proposed method delivers stable, accurate models starting from measurements as well as from simulation data. The use of orthogonal polynomials allows high model orders.

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