

Abstracts

A systematic approach to the problem of equivalent circuit model generation

T. Mangold and P. Russer. "A systematic approach to the problem of equivalent circuit model generation." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1409-1412.

We present a general method for the generation of lumped element equivalent circuits for linear passive reciprocal distributed microwave circuits from time domain scattering parameters. The method was applied to model a Wilkinson power divider. The applicability of the generated circuit model in transient network simulation is demonstrated.

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