Abstracts

Efficient Field-Based CAD of Microwave Circuits on Massively Parallel Processor Computer Using TLM and Prony's Methods

C. Eswarappa, P.P.M. So and W.J.R. Hoefer. "Efficient Field-Based CAD of Microwave Circuits on Massively Parallel Processor Computer Using TLM and Prony's Methods." 1994 MTT-S International Microwave Symposium Digest 94.3 (1994 Vol. III [MWSYM]): 1531-1534.

This paper reports progress in the CAD of microwave circuits using a parallel TLM code with Prony's method. With only 100 TLM time samples, the scattering parameters of a microwave bandpass filter are extracted via Prony 's method on a normal workstation. Such a combination of the parallel TLM module and Prony's method brings efficient optimization using time domain techniques within acceptable time limits.

❑ Return to main document.