

Abstracts

A trust region aggressive space mapping algorithm for EM optimization (1998 Vol. III [MWSYM])

M.H. Bakr, J.W. Bandler, R.M. Biernacki, S.H. Chen and K. Madsen. "A trust region aggressive space mapping algorithm for EM optimization (1998 Vol. III [MWSYM])." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1759-1762.

A new robust algorithm for EM optimization of microwave circuits is presented. The algorithm integrates a trust region methodology with aggressive space mapping (ASM). A new automated multipoint parameter extraction process is implemented. EM optimization of a double-folded stub filter and of an HTS filter illustrate our new results.

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