Abstracts

Order Recursive Gaussian Elimination and Efficient CAD of Microwave Circuits

K. Naishadham and P. Misra. "Order Recursive Gaussian Elimination and Efficient CAD of Microwave Circuits." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1435-1438.

An order-recursive variant of Gaussian elimination has been presented for efficient solution of linear equations resulting from augmenting the feed line impedence matrix by block row and column vectors corresponding to reactions associated with discontinuities in the moment method simulation of MMIC elements. The potential utility of the solution technique in a CAD environment is demonstrated by applying it to the interactive design of microstrip low-pass filter.

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