

# Abstracts

## Computer Aided Modelling of a Multidielectric Structure and its Application to the Design of Overlay Couplers

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*J. Gallimore. "Computer Aided Modelling of a Multidielectric Structure and its Application to the Design of Overlay Couplers." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 583-586.*

A computer model of a multi-dielectric multi-conductor system has been developed. The solution of the field equations of the system has yielded a powerful computer aided design tool suitable for use in the design of microstrip based overlay couplers. The method of analysis of the system is presented together with theoretical predictions of the performance of overlay couplers.

Encouraging comparisons have been made between a set of previously measured results and the theoretical performance predicted using this method.

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