

Abstracts

A High Level Compiler for the Electromagnetic Modeling of Complex Circuits by Geometrical Partitioning

G.E. Howard and Y.L. Chow. "A High Level Compiler for the Electromagnetic Modeling of Complex Circuits by Geometrical Partitioning." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1095-1098.

An electromagnetic geometrical compiler is introduced. The compiler takes the structure being investigated and breaks it down into blocks via many levels of structural decomposition. The structure once thus decomposed is then analyzed from the bottom up using the method of moments. By using this procedure, large and complex structures can be analyzed quickly and with little computer memory.

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