

Abstracts

An integrated electromagnetic and nonlinear circuit simulation environment for spatial power combining systems

M.A. Summers, C.E. Christoffersen, A.I. Khalil, S. Nakazawa, T.W. Nutesont, M.B. Steer and J.W. Mink. "An integrated electromagnetic and nonlinear circuit simulation environment for spatial power combining systems." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1473-1476.

An integrated electromagnetic and circuit simulation environment is developed for the simulation of spatial power combining systems. The analysis incorporates surface modes, nonuniform excitation and full nonlinear effects. The simulation tools are used to predict the performance of a 2 by 2 quasi-optical grid amplifier.

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