

Abstracts

Automated optimization of a waveguide-microstrip transition using an EM optimization driver

Min Zhang and T. Weiland. "Automated optimization of a waveguide-microstrip transition using an EM optimization driver." 1997 Transactions on Microwave Theory and Techniques 45.5 (May 1997, Part II [T-MTT]): 861-864.

An electromagnetic (EM) optimization driver is introduced which makes optimization of electromagnetic components fully automatic. The driver is composed of an EM simulator and an optimizer. As a test example, an optimum design of a waveguide-microstrip transition using the driver is demonstrated. The numerical design is verified by the measurement.

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