

# Abstracts

## Modal boundary conditions for waveguides of arbitrary cross-section with SCN TLM

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*J.L. Herring, M. Righi and W.J.R. Hoefer. "Modal boundary conditions for waveguides of arbitrary cross-section with SCN TLM." 1997 MTT-S International Microwave Symposium Digest 1. (1997 Vol. 1 [MWSYM]): 325-328.*

Modal absorbing boundary conditions are applied to a graded mesh using the hybrid node, and to homogeneous waveguides of arbitrary cross-section. The best performance is obtained with rectangular waveguides but examples show that the method can also be used for other geometries. A T-junction circular-to-sidecoupled rectangular waveguide example is given.

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