Abstracts

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

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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