

Simulations with the 3D TLM SCN Using FD-TD Absorbing Boundary Conditions

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The FD-TD absorbing boundary conditions for one-dimensional wave propagation are adapted to the 3D SCN (Symmetrical Condensed Mode) TLM mesh. The properties of these boundary conditions are characterized for a simple TEM waveguide structure, and their applicability to complex structures is demonstrated by calculating scattering parameters for a microstrip step.

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