

# Abstracts

## Effect of Dispersion in the 3-D Condensed Node TLM Mesh

---

*J.S. Nielsen and W.J.R. Hoefer. "Effect of Dispersion in the 3-D Condensed Node TLM Mesh." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 853-855.*

The general dispersion equation, derived for the 3D-TLM condensed node mesh is presented and compared to dispersion of the FD-TD and the expanded node TLM schemes. Spurious mode propagation, as predicted by the dispersion equation for the condensed node, is also addressed. Analysis of dispersive effects is essential to assessing abnormalities in time domain simulations.

[Return to main document.](#)