Abstracts

Modeling of General Constitutive Relationships in SCN TLM

The modeling of general constitutive relationships in SCN (symmetrical condensed node) TLM is presented. The technique consists of decoupling the impulse scattering at the nodes from equations describing the medium by using equivalent node sources with state-variable formulation of the constitutive relationships. The procedure requires few modifications of TLM. Numerical examples are presented.

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