

Abstracts

Transmission-Line Matrix (TLM) Formulation of the Non-Stationary Transient Electromagnetic Fields in a Thin GaAs Sample

S.F. Dindo, M.M. Ney and R.G. Harrison. "Transmission-Line Matrix (TLM) Formulation of the Non-Stationary Transient Electromagnetic Fields in a Thin GaAs Sample." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. 1 [MWSYM]): 325-328.

A new two-dimensional TLM procedure incorporates non-stationary electron velocities and electric fields into the computation of electromagnetic fields in submicron GaAs samples. An example demonstrates the transient electromagnetic field response to a short electric field pulse.

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