

Abstracts

Limitations on Switching Speed in Wideband Semiconductor Lasers

R.S. Tucker, J.M. Wiesenfeld, P.M. Downey and J.E. Bowers. "Limitations on Switching Speed in Wideband Semiconductor Lasers." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 655-657.

An experimental and theoretical study of large-signal switching transients in directly modulated semiconductor lasers is reported. The main parameters affecting high-speed switching are identified and device-dependent limitations on modulation at multi-gigabit per second data rates are described.

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