

# Abstracts

## Wide-Band Semiconductor Lasers and Optical Modulators for Communications

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R.S. Tucker. "Wide-Band Semiconductor Lasers and Optical Modulators for Communications." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 831-832.

The emergence of wide-band semiconductor lasers and optical modulators has opened up exciting new possibilities in the lightwave transmission of microwave analog signals and multi-gigabit per second digital data. This paper reviews recent progress in wide-band semiconductor lasers and optical modulators. Opto-electronic characteristics, bandwidth limitations, and microwave circuit considerations are described.

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