

Abstracts

Basic Principles and Properties of Avalanche Transit-Time Devices

G.I. Haddad, P.T. Greiling and W.E. Schroeder. "Basic Principles and Properties of Avalanche Transit-Time Devices." 1970 Transactions on Microwave Theory and Techniques 18.11 (Nov. 1970 [T-MTT] (Special Issue on Microwave Circuit Aspects of Avalanche-Diode and Transferred Electron Devices)): 752-772.

The basic principles and characteristics of the various modes of operation of avalanche transit-time devices are presented. Theoretical and experimental results are also presented in order to indicate the present state of development and the kind of performance which has been achieved in these devices.

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