

Abstracts

Effects of Depletion-Layer Modulation on Spurious Oscillations in IMPATT Diodes

D. Tang and G.I. Haddad. "Effects of Depletion-Layer Modulation on Spurious Oscillations in IMPATT Diodes." 1977 Transactions on Microwave Theory and Techniques 25.9 (Sep. 1977 [T-MTT]): 734-741.

A theoretical analysis of the effects of depletion-layer modulation on spurious oscillations in IMPATT diodes is given. The relationship between the magnitude of the depletion-layer modulation, circuit impedance and threshold for degenerate instabilities is presented.

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