

Abstracts

Dynamic Behavior of Pulsed-IMPATT Oscillators (Short Papers)

R.K. Mains, G.I. Haddad, D. Bowling and M. Afendykiw. "Dynamic Behavior of Pulsed-IMPATT Oscillators (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.2 (Feb. 1984 [T-MTT]): 208-212.

A method of simulating the dynamic behavior of pulsed IMPATT oscillators is presented. It is assumed that the simulation variables change slowly with respect to the RF period so that the quasistatic approximation may be used. A comparison of simulation results with experimental results for an X-band circuit is given.

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