

Abstracts

The Deformable-Channel Model - A New Approach to High-Frequency MESFET Modelling (1987 Vol. II [MWSYM])

F. Crowne, A. Eskandarian, H.B. Sequeira and R. Jahkete. "The Deformable-Channel Model - A New Approach to High-Frequency MESFET Modelling (1987 Vol. II [MWSYM])." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 573-574.

High-frequency small-signal circuit parameters are evaluated for a saturated-channel MESFET by including transit-time effects in a rigorous way through a study of induced shape changes in the saturated-channel region. Results agree well with empirical equivalent-circuit parameters for a physical MESFET.

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