

Abstracts

The Deformable-Channel Model - A New Approach to High-Frequency MESFET Modeling (Dec. 1987 [T-MTT])

F.J. Crowne, A. Eskandarian, H.B. Sequeira and R. Jakhete. "The Deformable-Channel Model - A New Approach to High-Frequency MESFET Modeling (Dec. 1987 [T-MTT])." 1987 Transactions on Microwave Theory and Techniques 35.12 (Dec. 1987 [T-MTT] (1987 Symposium Issue)): 1199-1207.

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.

 [Return to main document.](#)