

# Abstracts

## A Technique for Predicting Large-Signal Performance of a GaAs MESFET (Dec. 1978 [T-MTT])

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*H.A. Willing, C. Rauscher and P. de Santis. "A Technique for Predicting Large-Signal Performance of a GaAs MESFET (Dec. 1978 [T-MTT])." 1978 Transactions on Microwave Theory and Techniques 26.12 (Dec. 1978 [T-MTT] (1978 Symposium Issue)): 1017-1023.*

A method is described for accurately predicting the nonlinear microwave performance of GaAs MESFET devices. The method utilizes time-domain analysis and is based upon the experimentally characterized bias dependence of device-circuit model elements. Precise predictions are made of fundamental and harmonic power levels up to 6 dB of gain compression.

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