

Abstracts

Simple Analytical Modeling of GaAs MESFET Nonlinear Behavior

T. Kawai and F.J. Rosenbaum. "Simple Analytical Modeling of GaAs MESFET Nonlinear Behavior." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 103-106.

A simple resistive model for the GaAs MESFET which accounts for many of its nonlinear properties is proposed. A new DC characterization approach is suggested and used to predict the performance of a single-stage feedback amplifier. Good agreement is obtained between theory and experiment.

[Return to main document.](#)