

Abstracts

Comparison of GaAs MESFET DC Models

Z.R. Hu, J.J. McKeown, T. Brazil and J.A.C. Stewart. "Comparison of GaAs MESFET DC Models." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 311-314.

This paper describes a comparative study of ten GaAs MESFET DC models, including three new variations. The computations have been carried out using a new interactive program for nonlinear parameter extraction and sensitivity analysis (INTERSECT). The study concluded that the Curtice Cubic model, with seven parameters, provide the best fit to the two sets of MESFET DC characteristics used.

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