

Abstracts

A Physics-Based MESFET Empirical Model

J.C. Pedro. "A Physics-Based MESFET Empirical Model." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 973-976.

Although physics device models are recognized to provide interesting advantages over empirical expressions normally used in microwave simulation, little has been done by circuit designers, to exploit the concepts and knowledge gathered in that area. The present work is intended to review some simple conclusions drawn from MESFET physics behavior, and to show how they can be used in the development of a promising empirical nonlinear device model.

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