

Abstracts

An Accurate HEMT Large Signal Model Usable in SPICE Simulators

J. Staudinger, M. Miller, M. Golio, B. Beckwith and D. Halchin. "An Accurate HEMT Large Signal Model Usable in SPICE Simulators." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. 1 [MWSYM]): 99-102.

An empirical large signal model which describes HEMT characteristics has been developed, implemented and compared to measured performance. When compared to existing MESFET models, better accuracy is obtained in predicting HEMT transconductance. The validity of the model has been examined by comparing harmonic content predicted by SPICE to measured results.

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