

Abstracts

A Large-Signal Physical HEMT Model

C.G. Morton, J.S. Atherton, C.M. Snowden, R.D. Pollard and M.J. Howes. "A Large-Signal Physical HEMT Model." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1759-1762.

This paper reports a new, efficient physical HEMT model capable of accurately predicting DC, small- and large-signal performance. It has been interfaced to an industry standard simulator which allows for accurate, large-signal simulation to be integrated into the design process. Large-signal results demonstrate the model's suitability for MMIC CAD.

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