

Abstracts

An empirical table-based FET model

I. Angelov, N. Rorsman, J. Stenarson, M. Garcia and H. Zirath. "An empirical table-based FET model." 1999 Transactions on Microwave Theory and Techniques 47.12 (Dec. 1999 [T-MTT] (Special Issue on 1999 International Microwave Symposium)): 2350-2357.

A new large-signal FET model combining empirical and table-based models was developed and investigated experimentally. The Chalmers empirical model was used as an envelope for the measured data for main parameters of the model. Combining empirical and table-based models improves accuracy and simplifies as well as speeds extraction. The procedure can be applied for other types of devices.

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