

Abstracts

A New Method for Determining the FET Small-Signal Equivalent Circuit

G. Dambrine, A. Cappy, F. Heliodore and E. Playez. "A New Method for Determining the FET Small-Signal Equivalent Circuit." 1988 Transactions on Microwave Theory and Techniques 36.7 (Jul. 1988 [T-MTT]): 1151-1159.

A new method to determine the small-signal equivalent circuit of FET's is proposed. This method consists in a direct determination of both the extrinsic and intrinsic small-signal parameters in a low-frequency band. This method is fast and accurate, and the determined equivalent circuit fits the S-parameters very well up to 26.5 GHz.

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