

Abstracts

An Accurate FET Modelling from Measured S-Parameters

H. Kondoh. "An Accurate FET Modelling from Measured S-Parameters." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 377-380.

A new modelling algorithm has been developed which extracts a small-signal microwave equivalent circuit of an FET from measured S-parameters. The combinations of properly selected circuit elements with an S-parameter to be least-squares fitted greatly improve the accuracy and consistency of modelling. The absolute accuracy of determining element values was estimated to be better than 3 %.

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