

Abstracts

A generalized Dirichlet principle for smoothing small-signal measurements [MESFET]

A.D. Snider and P. Winson. "A generalized Dirichlet principle for smoothing small-signal measurements [MESFET]." 1999 Transactions on Microwave Theory and Techniques 47.5 (May 1999 [T-MTT]): 636-639.

We report the theory, implementation, and results of using a Poisson solver to compensate the measured values of drain conductance and transconductance in a nonlinear metal-semiconductor field-effect transistor so as to render them compatible with a large-signal model. The consequent restructuring of the I-V curves is exhibited.

[Return to main document.](#)