

# Abstracts

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

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*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.

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