

Abstracts

Exact Derivation of the Nonlinear Negative-Resistance Oscillator Pulling Figure (Short Papers)

J. Obregon and A.P.S. Khanna. "Exact Derivation of the Nonlinear Negative-Resistance Oscillator Pulling Figure (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.7 (Jul. 1982 [T-MTT] (Joint Special Issue on GaAs IC's)): 1109-1111.

Only approximate relations are so far available for the pulling figure of an oscillator. An exact derivation of the pulling figure is presented here, taking fully into account the nonlinearity of the oscillator admittance. Effect of the oscillator nonlinearity on the asymmetry of the pulling range is presented.

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