

Abstracts

Application of the harmonic-balance method to the stability analysis of oscillators

J. Gerber and Chao-Ren Chang. "Application of the harmonic-balance method to the stability analysis of oscillators." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1587-1590.

This paper outlines the application of harmonic-balance stability analysis to the design of oscillator circuits. Small-signal stability criteria and large-signal operation are considered. An improved picture of the stable regions of circuit operation and determination of physically stable operating points is demonstrated.

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