

Abstracts

The Application of Harmonic-Balance Methodology to the Analysis of Injection Locking

V. Rizzoli, A. Neri and D. Masotti. "The Application of Harmonic-Balance Methodology to the Analysis of Injection Locking." 1992 MTT-S International Microwave Symposium Digest 92.3 (1992 Vol. III [MWSYM]): 1591-1594.

The paper outlines a set of software tools allowing injection locking to be quantitatively treated by harmonic-balance methodology, and discusses in detail the stability portrait of a typical injection locked microwave oscillator. The simulation can accurately describe the spreading of the unlocked oscillation spectrum near the locking range edge.

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