

Abstracts

A Generalized Locking Equation for Oscillators (Short Papers)

J.P. Quine. "A Generalized Locking Equation for Oscillators (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.6 (Jun. 1972 [T-MTT]): 418-420.

Locking equations are derived which account for nonsinusoidal device waveforms. Locking bandwidth is related to Q values and device voltage amplitudes. Effective Q values are calculated for cavities having tuned and untuned harmonics.

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