

# Abstracts

## Microwave Oscillator Analysis (Short Papers)

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A.P.S. Khanna and J. Obregon. "Microwave Oscillator Analysis (Short Papers)." 1981 *Transactions on Microwave Theory and Techniques* 29.6 (Jun. 1981, Part I [T-MTT]): 606-607.

In this paper a generalized oscillation condition for an n-port active device has been presented in terms of its S-parameter matrix and that of the embedding network of the oscillator circuit. The corresponding condition using Z or Y matrices has also been shown. Verification of the proposed theory for a typical two-port and a three-port oscillator network is presented.

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