

# Abstracts

## Frequency Scaling for Computer-Aided Fourier Analysis of Mixer Diode Operation

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*H.C. Lin, N.A. Papanicolaou and J. McClintock. "Frequency Scaling for Computer-Aided Fourier Analysis of Mixer Diode Operation." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 398-400.*

The operation of a mixer diode can be computed using Fourier analysis, which is contained in certain CAD programs such as SPICE. When the difference frequency is much smaller than the input and local oscillation frequencies, greater accuracy can be achieved by scaling down the frequency ratio and scaling up the values of the reactive components in the equivalent circuit.

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