

# Abstracts

## On the Transient Analysis of Circuits Containing Multiple Diodes (Short Papers)

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*P.A. Blakey and R.K. Froelich. "On the Transient Analysis of Circuits Containing Multiple Diodes (Short Papers)." 1983 Transactions on Microwave Theory and Techniques 31.9 (Sep. 1983, Part I [T-MTT]): 781-783.*

Multiple-diode circuits are increasingly being used for power combining at microwave frequencies. This paper presents a method for the transient analysis of such circuits. The method exploits the cold-capacitance-particle-current decomposition of semiconductor diodes and is simpler, more efficient, and more accurate than previously proposed approaches to the problem.

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