

# Abstracts

## Integrated Approach to Microwave Design (Sep. 1976 [T-MTT])

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*J.W. Bandler, P.C. Liu and H. Tromp. "Integrated Approach to Microwave Design (Sep. 1976 [T-MTT])." 1976 Transactions on Microwave Theory and Techniques 24.9 (Sep. 1976 [T-MTT]): 584-591.*

A new, integrated approach to microwave design is presented involving concepts such as optimal design centering, optimal design tolerancing, optimal design tuning, parasitic effects, uncertainties in models and reference planes, and mismatched terminations. The approach is of the worst case type, and previously published design schemes fall out as particular cases of the ideas presented. The mathematical and computational complexity as well as the benefits realized by our approach is illustrated by transformer examples, including a realistic stripline circuit.

 [Return to main document.](#)