

# Abstracts

## New Results on the Design of Broadband Microwave Bipolar and FET Amplifiers

---

*W.H. Ku, W.C. Petersen and A.F. Podell. "New Results on the Design of Broadband Microwave Bipolar and FET Amplifiers." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 357-359.*

New results on the design of broadband microwave transistor amplifiers are presented. These results include analytical design and computer-aided optimization techniques for microwave bipolar and FET amplifiers with prescribed transistor gain roll-off characteristics and practical realizations of broadband input and output matching networks. Several designs of octave-band microwave bipolar and GaAs FET amplifiers are presented to illustrate the general design techniques.

 [Return to main document.](#)