

# Abstracts

## **A High Gain, Monolithic Distributed Amplifier Using Cascode Active Elements (1986 [MWSYM])**

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*R. LaRue, S. Bandy and G. Zdasiuk. "A High Gain, Monolithic Distributed Amplifier Using Cascode Active Elements (1986 [MWSYM])." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 821-824.*

A novel, monolithic, distributed amplifier has achieved a record gain of over 10 dB from 2-18 GHz. The design utilizes five quarter-micron gate length, cascode connected, FETs on epitaxial material. Circuit simulations predict over 10 dB gain from 2-30 GHz for an amplifier with seven active elements. Novel features of the design, fabrication and testing are discussed.

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