

# Abstracts

## Design and Fabrication of GaAs Analog-to-Digital ICs

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*L.C. Upadhyayula and W.R. Curtice. "Design and Fabrication of GaAs Analog-to-Digital ICs." 1982 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 82.1 (1982 [MCS]): 54-56.*

Some RADAR systems require 2- or 3-bit ADCS operating at several hundred megahertz to gigahertz sampling rates. Earlier, we have shown that GaAs MESFET comparators can meet both the speed and resolution requirements of such A/Ds. A 3-bit A/D circuit was designed and optimized. ICs were fabricated and successfully operated from dc through gigs-sample per second rate.

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