# Abstracts

## A Distributed Optical Receiver Preamplifier with Unequal Gate/Drain Impedances

*I. Darwazeh, P. Moreira, A. Borjak and J. O'Reilly. "A Distributed Optical Receiver Preamplifier with Unequal Gate/Drain Impedances." 1995 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 95.1 (1995 [MCS]): 199-202.*

A near dc to 16.4 GHz wide band distributed amplifier, constructed using a 20 GHz MMIC GaAs process and optimised to operate as an optical receiver front end preamplifier, has been designed, realised and tested at 10 Gbit/s. The design uses a 75 Omega gate line impedance to maximise the overall transimpedance gain without introducing severe bandwidth restriction.

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