

# Abstracts

## GBIT/s Pulse Regeneration and Amplification with GaAs-MESFETs

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*H. Beneking and W. Filensky. "GBIT/s Pulse Regeneration and Amplification with GaAs-MESFETs." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 158-160.*

Using GaAs-MESFETs under switching conditions, the regeneration and amplification of fast pulses in the 50ps range is performed. Sharpening factors  $t_{y\text{ in}} / t_{y\text{ out}}$  of 3 and voltage amplification factors of 2 at 50 ohm are reached for output pulses up to 100 mA.

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