

## Improved Feedforward Linearization of Laser Diodes - Simulation and Experimental Results

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*D. Hassin and R. Vahldieck. "Improved Feedforward Linearization of Laser Diodes - Simulation and Experimental Results." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 727-730.*

In this paper we discuss feedforward linearization of directly modulated laser diodes for AM CATV lightwave transmission systems. Theoretical simulation and experimental results are presented showing a distortion cancellation of better than 20dB over 850 MHz bandwidth. An investigation regarding tolerance and a possible dispersion penalty in the system is performed.

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