

# Abstracts

## Input adaptive linearizer system

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A. Katz, A. Guida, R. Dorval and J. Dragone. "Input adaptive linearizer system." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1499-1502.

A novel adaptive predistortion linearizer system has been developed to improve the linearity of high power amplifiers (HPAs). This system was developed for use with TWTAs, but the concept is also applicable to SSPAs. This system can provide near ideal linearizer performance over a wide dynamic range without the complexity of previously proposed adaptive systems. A key feature is the ability to operate as a stand-alone unit. It can be inserted in front of an existing HPA without any interconnections except for the HPA RF drive power.

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