

# Abstracts

## Evaluation of Linearity by Transformation of the Amplitude Characteristic

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G.R. Stette. "Evaluation of Linearity by Transformation of the Amplitude Characteristic." 1975 *Transactions on Microwave Theory and Techniques* 23.4 (Apr. 1975 [T-MTT] (Special Issue on Microwave Communications)): 387-390.

This paper addresses the problem of defining, measuring, and evaluating linearity of memoryless, nonlinear devices with relatively narrow bandwidths. The analysis is based on the single-carrier transfer characteristic and leads to a definition of linearity in terms of a transform which is determined by the input-signal composition and the working conditions of the device.

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