

Abstracts

Feedback in Distributed Amplifiers (Short Papers)

M. Riaziat, S. Bandy, L. Y. Ching and G. Li. "Feedback in Distributed Amplifiers (Short Papers)." 1990 Transactions on Microwave Theory and Techniques 38.2 (Feb. 1990 [T-MTT]): 212-215.

Parallel and series feedback effects are described for application in distributed amplifiers, and their frequency dependence characteristics are discussed. A six-element distributed amplifier utilizing series feedback is described. This amplifier demonstrates a 2 dB improvement in small-signal gain over the 2 to 18 GHz frequency range compared to a regular distributed amplifier using the same active device.

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