

Abstracts

Matching Network Design Studies for Microwave Transistor Amplifiers

G.P. Young and S.O. Scanlan. "Matching Network Design Studies for Microwave Transistor Amplifiers." 1981 Transactions on Microwave Theory and Techniques 29.10 (Oct. 1981 [T-MTT]): 1027-1035.

Several techniques for design of microwave amplifiers using lumped-element and distributed matching networks are discussed. An extension to the Remez-algorithm design approaches is proposed, whereby gain and ripple quantities may be adjusted using a numerical optimization procedure in order to achieve complete absorption of device model elements and also impedance transformation.

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