

Abstracts

Comparison of rho Plane with H-Plane Negative Resistance Stability Criteria Using the Smith Chart (Correspondence)

J.W. Bandler. "Comparison of rho Plane with H-Plane Negative Resistance Stability Criteria Using the Smith Chart (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.9 (Sep. 1967 [T-MTT]): 532-533.

The Nyquist-type negative+resistance stability criterion is formulated directly in terms of a transformed reflection coefficient. It is compared with the immittance plane criterion, particular attention being paid to the "arbitrary closing loops." It is concluded that the imittance plane criterion is the least ambiguous and therefore the easiest to use.

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