

Abstracts

On Optimum Noise Measure Terminations for Microwave Transistor Amplifiers (Reply to Comments)

D.K. Paul and P. Gardner. "On Optimum Noise Measure Terminations for Microwave Transistor Amplifiers (Reply to Comments)." 1993 Transactions on Microwave Theory and Techniques 41.10 (Nov. 1993 [T-MTT]): 2043-2044.

The commentators now assert that the stable region was calculated incorrectly in the paper. This is not true. It is perfectly valid to determine the stable region by plotting the input stability circle in the $\Gamma_{\text{sub } s}$ plane and the output stability circle in the $\Gamma_{\text{sub } l}$ plane, where $\Gamma_{\text{sub } l}$ is the output load reflection coefficient. In Fig. 2 of the paper, both circles were plotted, for convenience and economy of journal space, on the same Smith chart. Stability was then verified by confirming that the proposed input and output terminations were in the stable regions in their respective planes.

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