

Abstracts

Noise Parameter Transformations for Three-Terminal Amplifiers (Short Papers)

J.B. Hagen. "Noise Parameter Transformations for Three-Terminal Amplifiers (Short Papers)." 1990 Transactions on Microwave Theory and Techniques 38.3 (Mar. 1990 [T-MTT]): 319-321.

The common-emitter noise parameters and z parameters for a transistor (or any three-terminal amplifier) are used to obtain the corresponding sets of noise parameters for the common-base and common-collector configurations. It is shown that the three configurations must have the same minimum noise measure. A practical example is presented to confirm this invariance.

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