

Abstracts

Noise of Negative Resistance Oscillators at High Modulation Frequencies

B. Schiek and K. Schunemann. "Noise of Negative Resistance Oscillators at High Modulation Frequencies." 1972 Transactions on Microwave Theory and Techniques 20.10 (Oct. 1972 [T-MTT]): 635-641.

The theory of AM and FM noise in oscillators of the negative resistance type is extended to higher modulation frequencies, i.e., to modulation frequencies beyond the bandwidth of the stabilizing cavity. The results are expressed in terms of the input impedance of the stabilizing cavity and are found to agree well with measurements.

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