

# Abstracts

## Noise in Mutually Synchronized Oscillators

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*W.O. Schlosser. "Noise in Mutually Synchronized Oscillators." 1968 Transactions on Microwave Theory and Techniques 16.9 (Sep. 1968 [T-MTT] (Special Issue on Noise)): 732-737.*

The noise output of two mutually synchronized oscillators has been calculated. It is shown how the two oscillators contribute to the noise. The AM noise of the combined output signal turned out to be considerably increased compared to the AM noise of the free-running oscillators. The FM noise can be improved by proper choice of parameters. To check the theory measurements have been carried out which agree satisfactorily with the theoretical results.

 [Return to main document.](#)