

Abstracts

The 1974 S-MTT National Lectureship

S. Okwit. "The 1974 S-MTT National Lectureship." 1974 *Transactions on Microwave Theory and Techniques* 22.12 (Dec. 1974, Part II [T-MTT] (1974 Symposium Issue)): 1130-1130.

Noise has always played a major role in the design of microwave systems. The tradeoff problems of transmitter power versus receiver sensitivity in radar, antenna size versus receiver sensitivity in communications, system noise temperature versus bandwidth and integration time in radiometry, etc., have always challenged the design engineer in the past and will continue to do so in the future. This lecture concerns itself with these tradeoff problems and presents several points of view relative to optimum performance.

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