

# Abstracts

## An Experimental Study of Stabilized Transferred-Electron Amplifiers

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*A.K. Talwar and W.R. Curtice. "An Experimental Study of Stabilized Transferred-Electron Amplifiers." 1973 Transactions on Microwave Theory and Techniques 21.7 (Jul. 1973 [T-MTT]): 477-481.*

Experimental data are presented to describe various characteristics of stabilized transferred-electron amplifiers. The effect of bias voltage upon RF gain and linearity is shown. The conditions under which gain expansion is observed are described, and the importance of lattice temperature and RF signal strength in determining dc current is shown. All results are shown to be in good agreement with the large-signal theory for these amplifiers.

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