XXVIII. CIRCUIT THEORY AND DESIGN*

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RESEARCH OBJECTIVES

Investigations of nonlinear, time-variant linear, and linear active circuits are aimed at a better understanding of the relations between theoretical models and physical devices. Current research includes:

(a) theoretical investigations, design, and experimental behavior of parametric amplifiers and frequency multipliers

(b) determination of the invariant properties of active network components under various kinds of embedding

(c) studies of transistor and tunnel-diode circuits

(d) interpretation of a general $v \cdot i$ conservation theorem.

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*This work is supported in part by Purchase Order DDL B-00368 with Lincoln Laboratory, a center for research operated by Massachusetts Institute of Technology with the joint support of the U. S. Army, Navy, and Air Force under Air Force Contract AF19(604)-7400.