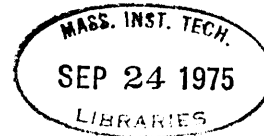


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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
RESEARCH LABORATORY OF ELECTRONICS
CAMBRIDGE, MASSACHUSETTS 02139

The Research Laboratory of Electronics is an interdepartmental laboratory in which faculty members and graduate students from numerous academic departments conduct research.

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This report, No. 115 in a series of progress reports issued by the M. I. T. Research Laboratory of Electronics, reviews the research activities of the entire laboratory for the half-year period ending December 31, 1974. Progress for each research unit supported by the Joint Services Electronics Program (Contract DAAB07-74-C-0630) is summarized and is designated by the letters JSEP in the outside margin.		

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January 1975

Submitted by: H. J. Zimmermann
J. G. King

FOREWORD

This report, No. 115 in a series of Progress Reports issued by the Research Laboratory of Electronics, reviews the research activities of the Laboratory for the half-year period ending December 31, 1974. The report of each group includes the customary annual statement of its research objectives and summary of research, and all reports acknowledge the source of research support. Projects supported by the Joint Services Electronics Program are further identified in the margin by the letters JSEP.