

LINEAR DESIGN SEMINAR

Introduction

In the last decade, substantial progress has been made in the design, processing, and volume manufacture of integrated circuits. Most of the attention has been focused on advances in digital circuitry—microprocessors, memories, gate arrays, and the like. However, the linear IC field has progressed at a rate which matches (and in many respects, exceeds) the achievements of digital ICs. New processes, refined existing processes, and new designs have made possible a wide variety of linear integrated circuits which permit more sophisticated analog measurement, control and signal conditioning functions.

This seminar examines not only the range of available products, but also the important aspects of applying these products successfully. Several appendices which the analog circuit designer will find useful are included at the end of the book for future reference.

Analog Devices is well established as a major supplier of precision analog integrated circuits and data converters. Design and process innovation combined with careful product planning underscore our commitment to serving the needs of instrumentation, process control, and avionics systems designers.

In addition, we have always been committed to providing the user with the highest level of technical support available as an aid in state-of-the-art system design and application of high performance components. This seminar is an example of the continuing support to that commitment; we hope it will be of help in understanding and applying the new monolithic amplifiers and analog computational ICs.

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October 1987

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Printed in the United States of America

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