Volume 6 Number 6 (ISSN 0272-1732)  December 1986

FEATURE ARTICLES

DIGITAL SIGNAL PROCESSING

6  
Guest Editor’s Introduction

L. Robert Morris

10  
The Texas Instruments TMS320C25 Digital Signal Microcomputer

Gene A. Frantz, Kun-Shan Lin, Jay B. Reimer, and Jon Bradley

Capable of 10 million operations per second, the newest member of the TMS320 family can serve as an inexpensive alternative to bit-slice processors or custom ICs in digital signal processing applications.

29  
The Motorola DSP56000 Digital Signal Processor

Kevin L. Kloker

The DSP56000 brings 10.25-MIPS performance to digital signal processing and retains enough similarities to other Motorola microprocessors to make it easy to learn and program.

49  
The ADSP-2100 DSP Microprocessor

John P. Roesgen

The 2100 accesses external memory efficiently and devotes its silicon area to providing greater functionality and processing throughput.

60  
NEC’s µPD77230 Digital Signal Processor

Bill Eichen

This 150-ns device performs full 32-bit floating-point arithmetic, incorporates on-chip instruction and data memory, and provides both serial and parallel I/O.

70  
1986 Annual Index