

Patte Wood

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MVM1[1,JRP]

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ELEPHONE CONVERSATION WITH MAX MATHEWS ON MARCH 21 - J. R. PIERCE

Max says that he now has several SUN terminals and has some comments.

They are equipped with SKY floating point. Comparison was made with a VAX 50 by multiplying a 10 x 10 matrix with a 10 vector 100 times. Each matrix multiplication involves 100 multiplications and 100 additions. The results were: FIXED POINT, VAX 4 seconds, SUN 7 seconds; FLOATING POINT, VAX 5 seconds, SUN 17 seconds.

The 84 megabyte disc which comes with the SUN allows a throughput of 70,000 bytes/sec on 2,000-byte records. This means that you can feed a Sony stereo converter.

Max is ordering Sony D to A and A to D. His people are working on an interface with the SUN terminal and think that it will not be very complicated and can be done on a printed circuit board.

Max intends to get C-MUSIC up on the SUN and thinks this will "carry everything before it."

As to changes in sampling rate, Max feels that any NEW FILES THAT ARE MADE "A LOWER SAMPLING RATE should be made at the Sony rate divided by a small integer. Then the sampling rate can be converted up by replacing "missing" samples" with zeroes, which is quite simple.

JRP