
Subject: Looking for time_test benchmark results
Posted by [albonesi](#) on Sat, 10 Jun 1995 07:00:00 GMT
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We are considering purchasing either a DEC AlphaServer 2100 5/250 or an SGI Power Challenge L. The former contains a 250MHz 21164 microprocessor while the latter would have a 90MHz R8000 microprocessor. I'd greatly appreciate it if anyone with one of these machines, or with another machine with one of these microprocessors (or one with a slower clock rate, e.g., the 75MHz R8000), could run the time_test benchmark under IDL (in a /tmp directory on the machine if your home directory is NFS mounted) and send me the results, which should look something like the following:

```
IDL> time_test
% Compiled module: TIME_TEST.
 1  0.804010 Empty For loop, 1 million times
 2  0.794789 Call empty procedure (1 param) 100,000 times
 3  0.579879 Add 100,000 integer scalars and store
 4  0.517484 25,000 scalar loops each of 5 ops, 2 =, 1 if)
 5  1.04647 Mult 512 by 512 byte by constant and store, 10 times
 6  0.240629 Shift 512 by 512 byte and store, 10 times
 7  0.335905 Add constant to 512 x 512 byte array and store, 10 times
 8  0.337276 Add two 512 by 512 byte images and store, 10 times
 9  2.14468 Mult 512 by 512 floating by constant and store, 10 times
10  0.683496 Add constant to 512 x 512 floating and store, 10 times
11  0.673190 Add two 512 by 512 floating images and store, 10 times
12  0.176428 Invert a 100 by 100 random matrix
13  0.667132 Transpose 256 x 256 byte, FOR loops
14  0.114193 Transpose 256 x 256 byte, row and column ops
15 0.00865400 Transpose 256 x 256 byte, transpose function
16  1.28853 Log of 100,000 numbers, FOR loop
17  0.149110 Log of 100,000 numbers, vector ops
18  1.50425 Add two 100000 element floating vectors, FOR loop
19 0.0296680 Add two 100000 element floating vectors, vector op
20  0.152177 65536 point real to complex FFT
21  0.298440 Smooth 512 by 512 byte array, 5x5 boxcar
22  0.0977681 Smooth 512 by 512 floating array, 5x5 boxcar
23  1.48177 Write and read 10 512 by 512 byte arrays
14.1259 Total Time
0.35125412 Geometric mean,    23 tests.
```

(The above was run on a 99MHz HP735 in case you're curious.)

Please let me know what machine you ran the benchmark on. Thanks in advance.

Dave

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