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

Dave Albonesi

Electrical & Computer Engineering email: albonesi@alex.ecs.umass.edu

Knowles Engineering Building phone: (413) 545-4492 University of Massachusetts FAX: (413) 545-4652

Amherst, MA 01003