Subject: Re: Q: IDL benchmarks
Posted by Mark Baldwin on Tue, 27 Feb 1996 08:00:00 GMT
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The following is from a Pentium 133 w/ SCSI disk, 32 Mb RAM, running IDL 4.01, PCI bus. Could anyone post the result for a Pentium Pro 200?

NOTE: This is NOT the same time_test from PV_WAVE! E.G. test #1 for IDL is run 1 million times, while PV_WAVE runs it 10,000 times.

```
IDL> time_test
      1     0.431000 Empty For loop, 1 million times
      2     0.601000 Call empty procedure (1 param) 100,000 times
      3     0.461000 Add 100,000 integer scalars and store
      4     0.490000 25,000 scalar loops each of 5 ops, 2 =, 1 if)
      5     0.501000 Mult 512 by 512 byte by constant and store, 10 times
      6     0.240000 Shift 512 by 512 byte and store, 10 times
      7     0.381000 Add constant to 512 x 512 byte array and store, 10 times
      8     0.431000 Add two 512 by 512 byte images and store, 10 times
      9     0.691000 Mult 512 by 512 floating by constant and store, 10 times
     10     0.711000 Add constant to 512 x 512 floating and store, 10 times
     11     0.891000 Add two 512 by 512 floating images and store, 10 times
     12     0.210000 Invert a 100 by 100 random matrix
     13     0.641000 Transpose 256 x 256 byte, FOR loops
     14     0.100000 Transpose 256 x 256 byte, row and column ops
     15    0.0200000 Transpose 256 x 256 byte, transpose function
     16      1.80200 Log of 100,000 numbers, FOR loop
     17     0.321000 Log of 100,000 numbers, vector ops
     18      1.15100 Add two 100000 element floating vectors, FOR loop
     19    0.0500001 Add two 100000 element floating vectors, vector op
     20     0.320000 65536 point real to complex FFT
     21     0.260000 Smooth 512 by 512 byte array, 5x5 boxcar
     22     0.160000 Smooth 512 by 512 floating array, 5x5 boxcar
     23     0.430000 Write and read 10 512 by 512 byte arrays
    11.2940=Total Time,       0.34653037=Geometric mean,      23 tests.
```

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