Subject: Re: Q: IDL benchmarks
Posted by Andy Hsia on Sun, 25 Feb 1996 08:00:00 GMT
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Our DEC Alpha 3000/600 with 48Mb RAM achieved the following:

```
 1     0.552992 Empty For loop, 1 million times
 2     0.848720 Call empty procedure (1 param) 100,000 times
 3     0.412848 Add 100,000 integer scalars and store
 4     0.476864 25,000 scalar loops each of 5 ops, 2 =, 1 if)
 5     0.511424 Mult 512 by 512 byte by constant and store, 10 times
 6    0.0644159 Shift 512 by 512 byte and store, 10 times
 7     0.198128 Add constant to 512 x 512 byte array and store, 10 times
 8     0.226032 Add two 512 by 512 byte images and store, 10 times
 9     0.537776 Mult 512 by 512 floating by constant and store, 10 times
10     0.165920 Add constant to 512 x 512 floating and store, 10 times
11     0.393904 Add two 512 by 512 floating images and store, 10 times
12     0.237168 Invert a 100 by 100 random matrix
13     0.594960 Transpose 256 x 256 byte, FOR loops
14    0.0663681 Transpose 256 x 256 byte, row and column ops
15   0.00975990 Transpose 256 x 256 byte, transpose function
16      1.58853 Log of 100,000 numbers, FOR loop
17    0.0722239 Log of 100,000 numbers, vector ops
18      1.33242 Add two 100000 element floating vectors, FOR loop
19    0.0117120 Add two 100000 element floating vectors, vector op
20     0.173728 65536 point real to complex FFT
21     0.213744 Smooth 512 by 512 byte array, 5x5 boxcar
22     0.119072 Smooth 512 by 512 floating array, 5x5 boxcar
23      1.80675 Write and read 10 512 by 512 byte arrays
10.6155 Total Time
0.24125159 Geometric mean,      23 tests.
```