
Subject: Re: Q: IDL benchmarks

Posted by [Robert Moss](#) on Mon, 26 Feb 1996 08:00:00 GMT

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I just wanted to mention that before everyone runs out and buys PVWave on an SGI they should look carefully at these numbers: they are for much fewer iterations than the corresponding tests in IDL, so direct comparison to most of the other recent postings without some scaling is not valid.

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Watson R J wrote:

>

> Running PV-WAVE CL Version 5.00 (sgi IRIX mipseb) on an SG Indy

> with 100MHz R4400 and 144Mb time_test gives this ...

>

> 1 0.156311 Empty For loop, 10,000 times
> 2 0.467805 Call empty procedure (1 param) 10000 times
> 3 0.142651 Add 10,000 integer scalars and store
> 4 0.241405 5000 scalar arithmetic loops
> 5 0.0721331 Mult 512 by 512 byte by constant and store
> 6 0.0324579 Shift 512 by 512 byte and store
> 7 0.0448910 Add a constant to a 512 by 512 byte array and store
> 8 0.0431681 Add two 512 by 512 byte images and store
> 9 0.318135 Mult 512 by 512 floating by constant and store
> 10 0.0612410 Shift 512 by 512 floating and store
> 11 0.0830290 Add a constant to a 512 by 512 floating array and store
> 12 0.326699 Add two 512 by 512 floating images and store
> 13 0.0674850 Invert a 50 by 50 random matrix
> 14 1.18785 Transpose 256 x 256 byte, FOR loops
> 15 0.133863 Transpose 256 x 256 byte, row and column ops
> 16 0.0236490 Transpose 256 x 256 byte, transpose
> 17 0.0209789 Log of 10000 numbers, vector ops
> 18 0.321045 Log of 10000 numbers, FOR loop
> 19 0.00391400 Add two 10000 element floating vectors, vector op
> 20 0.267292 Add two 10000 element floating vectors, FOR loop
> 21 0.0432030 8192 point real to complex FFT
> 22 0.372203 Smooth 512 by 512 byte array, 5x5 boxcar
> 23 0.256296 Smooth 512 by 512 floating array, 5x5 boxcar
> 24 0.186448 Write and read 10 512 by 512 byte arrays
> 4.87416 Total Time
> 0.10921606 Geometric mean, 24 tests.

>
> posted out of interest ...
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> -----
> Robert J Watson. "When in a hole... stop digging ..."
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This is not necessarily the opinion of Texaco Inc.
