
Subject: Re: Some benchmarks
Posted by [gurman](#) on Wed, 19 Apr 1995 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <3n3p7r\$jur@pdq.coe.montana.edu>,
uphlabh@gemini.oscs.montana.edu (Brian Handy) wrote:

> I noted the hoopla about benchmarks running on pentiums, SGI's, suns,
> and about every other machine, and I thought I would include some local
> machines for this list. This is running the TIME_TEST benchmark.
>
> SGI 4D/340S (4 CPU) 37.2 seconds {usual loaded-down state}
> 4D/310S (1 CPU) 39.9 {loaded}
> SGI Indy 17.7 {nobody}
> DECstation 5000/200 79.4 {nobody on}
> DEC Alpha (64 MB RAM) 13.3 {two other jobs}
> DEC Alpha (254 MB) 7.0 {nobody}
>
> The Alpha times seem to indicate this who procedure is heavily
> swap-dependent, which is not too big a surprise I suppose. The big
> SGI's aren't too revealing, as they are pretty loaded down and I didn't
> ever get a chance to try them otherwise.

Brian -

There can be a lot of variables just under the designation "Alpha."
For example, we see:

DEC 3000 Model 300X	64 Mbyte	OSF/1 3.0	15.7 s no load
DEC 3000 Model 300X	64 Mbyte	OSF/1 3.2	14.3 s no load
DEC 3000 Model 400	64 Mbyte	OVMS 6.1	21.2 s no laod
DEC 3000 Model 600	288 Mbyte	OSF/1 3.0	9.5 s some server jobs
DEC 3000 Model 900	320 Mbyte	OVMS 6.1	11.7 s no load
DEC 4000 Model 710	128 Mbyte	OVMS 6.1	18.8 s some server jobs

all with IDL 3.6.1c. For what it's worth, there's a price range of > 3 there.

For what it's worth, with an unreleased beta version of IDL for the Power
Macintosh, we get:

PowerMac 8100/80	48 Mbyte	System 7.5.1	20.9 s
------------------	----------	--------------	--------

Frankly, I think disk speed is a big factor in these, as the Power Mac figures
(test 23 = 7.38 s) shows in comparison to say, the 3000/600 running OSF/1
(test 23 = 0.82 s). The OpenVMS systems also have extra overhead in disk
writing (test 23 = 2.53 s on the 3000/900, 6.95 s on the 4000/710), but
you supposedly get a more reliable file system in return. In fairness, the
PowerMac disk I/O is still done in emulation.

Joe

P.S. Bet our PowerMac cost less than your Indy, though.... It certainly cost about a factor of 3 less than the DEC 3000/400.

--
Joseph B. Gurman / NASA Goddard Space Flight Center/ Solar Data Analysis Center / Code 682
/ Greenbelt MD 20771 USA / gurman@uvsp.gsfc.nasa.gov
| Federal employees are still prohibited from holding opinions while at work. Any opinions
expressed herein must therefore be someone else's. |
