Subject: Re: IDL for LINUX
Posted by kerr on Wed, 11 Oct 1995 07:00:00 GMT
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In article <45bulh$m7h@news4.digex.net> Mary Ruth Keller <keller@tesla.jhuapl.edu> writes:
[intro stuff deleted]
> I have run this model on five different machines and five different
> operating systems: (1) A 33 MHz 486 with 16 Meg running MS-DOS or MS-WINDOWS
> 3.1 with 8 Meg (yes, I have been using the alpha version of IDL for DOS), (2) a
> 66 MHz 486 with 16 Meg running MS-DOS, (3) a 170 MHz DEC-Alpha with 64 Meg
> running OPEN-VMS, (4) a 99 MHz HP9000/735 (RISC) with 144 Meg running HP/UX,
> and (5) the DX4-100 with 32 Meg running LINUX I mentioned earlier. I have put
> the 33 MHZ machines in the same category because the program took the same
> length of time for both. For speeds, I got the following:

> (1) 33 MHz - 53 minutes
> (2) 66 MHz - 40 minutes
> (3) DEC-Alpha - 8 minutes 25 seconds
> (4) HP-RISC - 4 minutes 25 seconds
> (5) LINUX - 9 minutes 50 seconds

Could you tell us what version numbers of IDL you were using on each machine
and OS? Also, what are the memory demands of your program, and how frequently
does it produce graphical or disk output?

> The DEC-Alpha should have been faster than this. I suspect OPEN-VMS is what
> slowed it down.

I agree, the Alpha should have been MUCH faster than it was. Beats me why it
wasn't.

> For all the machines tested, I made sure my program was the
> only active user process during the test. So, if one is stuck trying to Science
> on
> no money like I am, LINUX sure makes life alot easier!

> P.S. Since the paper has been published, the model is in the public domain,
> should anyone be interested in running it for a test.

I think I might be interested. I'll get in touch with you directly when I'm
ready to give it a try. Thanks for the post.

Stephen S. Kerr
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