
Subject: Re: load sharing on multiple machines?
Posted by [Mark Rivers](#) on Fri, 18 Jan 2002 04:34:19 GMT
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Michael A. Miller <mmiller3@iupui.edu> wrote in message
news:87sn9469qq.fsf@lumen.med.iupui.edu...

> Thanks for the feedback, Mark. Our main systems also have
> dual-CPU slots, although we haven't yet filled the second one.
> Do you have any ball-park numbers for how much IDL performance
> improvement you see when you use two instead of one processors?

I just ran a test on Linux
IDL> a = findgen(1000,1000)
IDL> b = findgen(1000,1000)+1.
IDL> for i=0,1000 do c=a/b

I monitored the system performance with "top". Both CPUs went from 1% busy
to 100% busy, indicating that IDL is using both CPUs effectively.

On the other hand:

IDL> for i=0,100 do c=fft(a,1)
the sum of the 2 CPUs busy was about 120%, indicating that it's not using
both CPUs very well.

My observations on Windows are consistent with this, some operations fully
utilize both CPUs, some don't.

Mark
