
Subject: Re: Slow array indexing
Posted by [Nigel Wade](#) on Wed, 06 Feb 2002 17:26:34 GMT
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trouble wrote:

```
> Hi,  
>  
> Another array query - accessing arrays seems very slow in 5.5 (Alpha  
> Linux)  
>  
> IDL> array = INTARR(256,256,10)  
> IDL> iz = [0,2,4,6,8]  
> IDL> t=systime(1)&new = array[:,*,iz]&print,systime(1)-t  
>      11.529402  
>
```

Is it really taking that much time or is it miscalculating systime()?

```
>  
> Compare this with 5.4 (Alpha OSF unix) on a slower machine:  
>      0.039039969  
>  
>
```

That's about what I get with IRIX, Solaris and Linux/x86.

> Anyone know what's going on here ?

Not a clue. Something strange in Alpha Linux.

What happens if you run strace on idl? E.g. put the commands in a file (script.pro) and run

strace idl script.pro

If the IDL executable is similar for Alpha as it is for x86 there should be two calls to gettimeofday (one each for the calls to systime()). Is anything strange going on in between them (all I get is two calls to mmap2 and one call to munmap, presumably allocating/releasing storage for the arrays created).?

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