
Subject: Re: Array Subscripting Memory Usage (watch out!)

Posted by [R.Bauer](#) on Thu, 03 Oct 2002 10:55:00 GMT

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Dick Jackson wrote:

```
> Hi all,  
>  
> This may be old news to some of you, but it surprised me and a couple of  
> colleagues, and I couldn't find any discussion of it on this group, so  
> I'll share it around.  
>  
> I was surprised to find how much memory is used during access to a  
> subset of an array. I ran this, which makes a 1000x1000 array, and  
> accesses a subset of it using an array of subscripts:  
>  
> a = bindgen(1000, 1000)  
> subscripts = Long(RandomU(seed, 500)*1000)  
> baseMem = (memory())[0]  
> help, a[subscripts, *]  
> highWaterMem = (memory())[3]  
> Print, 'Memory used during access: ', highWaterMem-baseMem
```

That's normal.

If you need a constant you need memory for it in it's type multiplied by it's length.

I would be interested how this is handled?

```
a = (bindgen(1000, 1000))[Long(RandomU(seed, 500)*1000),*]
```

regards

Reimar

--

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<http://www.fz-juelich.de/icg/icg-i/>

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a IDL library at Forschungszentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html
