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

Posted by [R.Bauer](#) on Thu, 03 Oct 2002 10:49:17 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.

did this work for you?

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

regards

Reimar

--

Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg-i/>

```
=====
a IDL library at Forschungszentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl\_icglib/idl\_lib\_intro.html
```
