
Subject: Re: Strange memory problem

Posted by [thompson](#) on Wed, 22 Dec 1999 08:00:00 GMT

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"Julie Greenwood" <julieg@NOSPAMoceanweather.com> writes:

> Liam Gumley <Liam.Gumley@ssec.wisc.edu> wrote in message

> news:3860E331.C4E36EA4@ssec.wisc.edu...

>> "Mark D. Williams" wrote:

>>> FWIW, if you want to save time and memory, a faster way to do the above

>>> is as follows:

>>>

>>> WAVE> temp = BYTARR(1000,1000,25, /NoZero) + 10B

>>

>> I get the fastest response (in IDL) with

>>

>> temp = replicate(10B, 1000, 1000, 25)

>>

>> Cheers,

>> Liam.

> With IDL 5.3 on WinNT I got:

> temp = BYTARR(1000,1000,25, /NoZero) + 10B

> 1.8230000 Seconds

> temp = replicate(10B, 1000, 1000, 25)

> 6.3290000 Seconds

> I got tired of waiting (more than two minutes) for

> temp=bytarr(1000,1000,25) ; 0.351 seconds for this much

> temp(*)=10

I suggest redoing the test with

temp = BYTARR(1000,1000,25) + 10B

with the /NoZero keyword you get a much faster response, but nonsense values.

It's not really a fair test.

On my AlphaStation 500/333, I got the following times:

temp = BYTARR(1000,1000,25) + 10B

1.8984600 Seconds

```
temp = replicate(10B, 1000, 1000, 25)
1.2076780 Seconds
```

```
temp=bytarr(1000,1000,25)
temp(*)=10
9.2365350 Seconds
```

```
temp=bytarr(1000,1000,25)
temp(*)=10b
8.4264030 Seconds
```

Bill Thompson
