
Subject: Re: Fast matrix filling in IDL
Posted by [davidf](#) on Sat, 12 Dec 1998 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Stein Vidar Hagfors Haugan (steinhh@ulrik.uio.no) writes:

```
>  
> A slight modification of David's program, and adding  
> my favourite speedup method:  
>  
> time = systime(1)  
> array = rebin(reform(v,m,1,/overwrite),m,n,/sample)  
> print, 'Time for Rebin Operations: ', systime(1) - time  
>  
> On { alpha OSF unix 5.2 Oct 30 1998}, this gives:  
>  
> Time for Loop:          0.27343702  
> Time for Matrix Operations: 0.093750000  
> Time for Rebin Operations: 0.067382932  
>  
> Note that the relative speeds can vary quite a lot on  
> different architectures.
```

I guess. Here is what I get with Stein Vidar's modifications
on my Windows NT machine:

```
IDL> Print, !Version  
{ x86 Win32 Windows 5.2 Oct 30 1998}  
IDL> test  
Time for Loop:    0.10000002  
Time for Matrix Operations: 0.019999981  
Time for Rebin Operations: 0.039999962
```

The Rebin operations are twice as slow as the matrix operations.
Hummm. Why!?

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155
