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Subject: Re: speed of n\_elements  
Posted by [R.Bauer](#) on Thu, 04 Nov 1999 08:00:00 GMT  
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Pavel Romashkin wrote:

```
>> * I can't repeat your experience on Sun or Linux. On both those
>> machines n_elements(data.flag) is much slower than n_elements(data),
>> at least in a loop.
>
> Thank you for the test, Craig. I repeated it and n_elements(data) was way
> faster. But I was certain that I saw what I saw, so I reconstructed the
> entire data system in the same way it was in my program. DATA in my program
> is itself passed as a field of State structure inside a widget tree. Try the
> following code:
> *****
> pro test, a
>
> start=systime(1)
> for i=0, 100 do temp = n_elements(a.data)
> print, systime(1)-start
>
> start=systime(1)
> for i=0, 100 do temp = n_elements(a.data.flag)
> print, systime(1)-start
>
> end
```

Hi

This example is 100 times faster.

R.Bauer

```
pro test, a
```

```
start=systime(1)
c=a.data ; changed !!
for i=0, 100 do temp = n_elements(c)
print, systime(1)-start
```

```
start=systime(1)
for i=0, 100 do temp = n_elements(a.data.flag)
print, systime(1)-start
```

```
end
```

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