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Subject: Re: V6.0 indexing change  
Posted by [andrew.cool](#) on Tue, 12 Aug 2003 23:04:47 GMT  
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Wayne Landsman <landsman@mpb.gsfc.nasa.gov> wrote in message news:<3F39035C.8070409@mpb.gsfc.nasa.gov>...

> I haven't installed V6.0 yet myself but I have been informed by Mike  
> Corcoran of a change that can break some existing code.  
>  
> Formerly, if one had a structure, say  $a = \{x: \text{indgen}(10)\}$  which was  
> accessed by a 1 element vector, say  $i = [3]$ , then the result  $a.x[i]$   
> would be a scalar. In V6.0, however, the result is now a 1 element  
> vector.  
>  
> I have to say that the V6.0 method makes more more sense -- subscripting  
> with a 1 element vector should return a 1 element vector. But it can  
> break existing code because logical tests such as  
>  
> if  $a.x[i] \text{ EQ } 3$  then stop  
>  
> will no longer work. The fix is simple enough ( set  $i = i[0]$  first )  
> but users might want to fix the code before upgrading to V6.0.  
>  
> --Wayne Landsman            landsman@mpb.gsfc.nasa.gov

Wayne,

You sure about this? Yes, a 1 element vector is now returned, but  
your example

if  $a.x[i] \text{ EQ } 3$  then stop

works just fine for me under the 6.0 Beta (Win2000), as does

if  $a.x[i[0]] \text{ EQ } 3$  then stop

Andrew  
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