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Subject: Re: keyword\_set([0])

Posted by [JD Smith](#) on Tue, 21 Mar 2006 19:24:01 GMT

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On Mon, 20 Mar 2006 15:49:14 -0800, vlk.astro wrote:

> JD Smith wrote:

>

>>

>> IDL> print, size(b,/N\_DIMENSIONS) gt 0 OR keyword\_set(b)

>

> Unfortunately, upon further investigation, this doesn't quite work.

> The behavior I am looking for is (sorry I wasn't clearer before): if

> A=0 and B=[0], then expr(A)=0 and expr(B)=1 in all versions of IDL (for  
> backwards compatibility and all that)

>

> instead, 5.3 and 6.2 never match up properly --

>

> v5.3 v6.2 expr()

> 0 0 keyword\_set(A)

> 1 0 keyword\_set(B)

>

> 1 0 size(A,/dim) gt 0 OR keyword\_set(A)

> 1 1 size(B,/dim) gt 0 OR keyword\_set(B)

>

> i.e., if it works in 5.3, it doesn't in 6.2, and vice versa.

Not /DIM, /N\_DIM (actually I'm not sure if that exists in 5.3, but in that case (size(a))[0] should work). Your version with /DIM should work for scalars and single element vectors anyway, so I'm not sure why it doesn't here. In IDL5.5 (the oldest I have):

```
IDL> a=0
```

```
IDL> print,size(a,/dim) gt 0 OR keyword_set(a)
```

```
0
```

and of course the same in 6.2. I'm very surprised v5.3 is different -- in fact I can't imagine how it could be.

JD

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