
Subject: Re: MAKE_ARRAY question
Posted by [Paul van Delst](#) on Fri, 13 Apr 2001 19:03:04 GMT
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Craig Markwardt wrote:

```
>
> Paul van Delst <paul.vandelst@noaa.gov> writes:
>
>> Ben Tupper wrote:
>>>
>>> Hi Paul,
>>>
>>> X = MAKE_ARRAY( n_pts, TYPE = 4 + KEYWORD_SET(DOUBLE), /NOZERO)
>>>
>>> The above should get you the correct type of array (Double type is 5
>>> while Float type is 4.)
>>
>> True, but if double = 3 (in which case the keyword is also considered "set") the type
>> would be wrong (a string array!).
>
> Huh? So what if double EQ 3! Vis:
>
> IDL> print, keyword_set(1)
>      1
> IDL> print, keyword_set(2)
>      1
> IDL> print, keyword_set(3)
>      1
>
> For KEYWORD_SET, I think "truth" is defined as non-zero.
```

Yep - you're right. I was mistakenly assuming that the keyword value evaluated the same way as in the KEYWORD_SET true/false determination: even = false, odd = true, e.g.

```
IDL> if 1 then print, 'this is true'
this is true
IDL> if 2 then print, 'this is true'
IDL> if 3 then print, 'this is true'
this is true
IDL>
```

But I was kwrong.

Liam sent me a solution I like the best:

```
x = keyword_set(double) ? dblarr(npts, /nozero) : fltarr(npts, /nozero)
```

yay and cool bananas.

paulv

--

Paul van Delst A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545 And drinking largely sobers us again.
paul.vandelst@noaa.gov Alexander Pope.
