Subject: Re: MAKE_ARRAY question Posted by Paul van Delst on Fri, 13 Apr 2001 19:03:04 GMT

View Forum Message <> Reply to Message

```
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)
>
  IDL> print, keyword_set(2)
>
  IDL> print, keyword_set(3)
 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.