
Subject: Re: MAKE_ARRAY question
Posted by [btt](#) on Fri, 13 Apr 2001 17:08:17 GMT
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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.) I don't know if you can get into trouble with simply passing the DOUBLE keyword along. It works on this MAC (a float is returned if DOUBLE = 0).

Ben

Paul van Delst wrote:

```
>  
> Hi there,  
>  
> I want to create an array that by default should be FLOAT but can be specified as DOUBLE  
> by the user as a keyword input to a function. Instead of the following:  
>  
> FUNCTION my_func, n_pts, double = double  
>  
> IF ( KEYWORD_SET( double ) ) THEN $  
>   x = MAKE_ARRAY( n_pts, /DOUBLE, /NOZERO ) $  
> ELSE $  
>   x = MAKE_ARRAY( n_pts, /FLOAT, /NOZERO )  
>  
> .....  
>  
> END  
>  
> can I rely on the fact that NO type keywords to MAKE_ARRAY means default FLOAT? I.e. :  
>  
> FUNCTION my_func, n_pts, double = double  
>  
>   x = MAKE_ARRAY( n_pts, DOUBLE = double, /NOZERO )  
>  
> .....  
>  
> END  
>  
> The MAKE_ARRAY documentation does not specifically state that the default array created is  
> a FLOAT. Does anyone know if this *is* documented anywhere so I'm not setting my function  
> up (which I use *a lot*) to fall in a heap when IDL 5.5+ is released and RSI happened to  
> decide a default LONG would be better?  
>
```

> Or is there some other natty way to do this?
>
> Thanks for any help.
>
> 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.

--
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