
Subject: Re: Initialize new variable array with nan or -9999 values

Posted by [John Correia](#) on Fri, 21 Feb 2014 14:47:23 GMT

[View Forum Message](#) <> [Reply to Message](#)

On 02/20/2014 08:36 PM, Heinz Stege wrote:

```
> IDL> t0=systime(1) &for i=0,9 do a=fltarr(1000,1000,100)-9999.  
> &print,systime(1)-t0 &help,a  
> 1.8280001  
> A          FLOAT    = Array[1000, 1000, 100]  
> IDL> t0=systime(1) &for i=0,9 do  
> a=make_array(1000,1000,100,value=-9999.) &print,systime(1)-t0 &help,a  
> 2.7969999  
> A          FLOAT    = Array[1000, 1000, 100]  
> IDL> print,!version  
> { x86 Win32 Windows Microsoft Windows 8.0.1 Oct  5 2010    32  
> 64}
```

MAKE_ARRAY is faster on my machine:

```
IDL> tic  
IDL> for i=0,9 do a=fltarr(1000,1000,100)-9999.  
IDL> toc  
IDL> help, a
```

Elapsed time is 3.018326s

```
A          FLOAT    = Array[1000, 1000, 100]
```

```
IDL> tic  
IDL> for i=0,9 do a=make_array(1000,1000,100,value=-9999.)  
IDL> toc  
IDL> help, a
```

Elapsed time is 2.075103s

```
A          FLOAT    = Array[1000, 1000, 100]
```

```
IDL> print,!version  
{ x86_64 linux unix linux 8.2 Apr 10 2012    64  
  64}
```