
Subject: Re: how to preserve trailing Shallow dimensions!
Posted by [Vince Hradil](#) on Thu, 14 Aug 2008 13:28:24 GMT
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On Aug 14, 6:33 am, vino <astrocr...@gmail.com> wrote:

> Hello Everyone,
> I was wondering whether there is any way i can preserve a trailing
> shallow dimension in array?
>
> eg:
> IDL> ab=make_array(2,1,1)
> IDL> print,size(ab,/dimensions)
> 2
> How can i make it preserve it as 2 1 1?
>
> Thanks and regards,
> Vino

Perhaps you should tell us why... The answer may be different than you expect...

So, anyways, the trailing dims are "still there" as 1's:

```
IDL> f = findgen(3,1,1)
IDL> help, f
F          FLOAT    = Array[3]
IDL> help, f[*],0]
<Expression>  FLOAT    = Array[3]
IDL> help, f[*],0,0]
<Expression>  FLOAT    = Array[3]
IDL> print, f
    0.000000    1.00000    2.00000
IDL> print, f[*,*]
    0.000000    1.00000    2.00000
IDL> print, f[*],0]
    0.000000    1.00000    2.00000
IDL> print, f[*],0,0]
    0.000000    1.00000    2.00000
IDL> print, f[*],*,*]
    0.000000    1.00000    2.00000
```

If you are worried about the SIZE function:

```
IDL> fsize = size(f,/dimensions)
IDL> nx = fsize[0]
IDL> if n_elements(fsize) gt 1 then ny = fsize[1] else ny = 1L
IDL> if n_elements(fsize) gt 2 then nz = fsize[2] else nz = 1L
etc...
```
