
Subject: can't make array

Posted by [kamal](#) on Tue, 18 Feb 2014 06:48:22 GMT

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Hi all,

I am trying to write an IDL code for reading a number of binary files (366 in total) with the dimensions x=1940, y=1940. However, this seems to be quite a large number for making an array. I am not being able to generate an array containing such a huge number of elements. Is there a way out to tackle this awkward situation?

Any suggestions in this regard would be highly appreciated.

The part of my code looks something like this:

...something else....

;The portion where error is coming....

x=1940 & y = x

z = nfiles ;366

nodata = -33.00

temparr = fltarr(x,y,z) ;<<<<<Error comes in this line

for k = 0, z-1 do begin

file = infile[k]

data = read_binary(file, data_dims=[x,y], data_type=4)

temparr[*,*,k] = data

endfor

....something else....

Thanks in advance.

Cheers,

Kamal

Subject: Re: can't make array

Posted by [Matthew Argall](#) on Tue, 18 Feb 2014 12:19:47 GMT

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> dimensions x=1940, y=1940. However, this seems to be quite a large number for making an array...

It took a couple seconds, but IDL can do this

IDL> help, fltarr(1940,1940,366)

<Expression> FLOAT = Array[1940, 1940, 366]

Your problem may be that z is undefined or zero. Make sure that "nfiles" is actually a number other than zero.

```
> x=1940 & y = x
> z = nfiles ;366
> temparr = fltarr(x,y,z) ;<<<<<Error comes in this line
```

What is the error that you are getting?

Subject: Re: can't make array

Posted by [Phillip Bitzer](#) on Tue, 18 Feb 2014 15:16:58 GMT

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On Tuesday, February 18, 2014 12:48:22 AM UTC-6, kamal wrote:

```
>
> I am trying to write an IDL code for reading a number of binary files (366 in total) with the
dimensions x=1940, y=1940. However, this seems to be quite a large number for making an
array. I am not being able to generate an array containing such a huge number of elements. Is
there a way out to tackle this awkward situation?
>
```

Well, you're trying to create a 1940*1940*366*32 bit array. That's something around 5GB. Does your computer have enough memory?

On Tuesday, February 18, 2014 6:19:47 AM UTC-6, Matthew Argall wrote:

```
>
>
>> x=1940 & y = x
>
>> z = nfiles ;366
>
>> temparr = fltarr(x,y,z) ;<<<<<Error comes in this line
>
>
>
> What is the error that you are getting?
```

This.
