
Subject: array of structures -- error Conflicting data structures

Posted by [gunvicsin11](#) on Tue, 01 Nov 2016 10:31:00 GMT

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Hi all,

I need to create an array of structures,

I have created structure like this, I have put this in a loop

```
create_struct,ca,'ksom',['DATA','XC','YC','DX','DY','TIME'], 'd(767,684),d(1),d(1),d(1),d(1),a(1)'
```

```
ksom=replicate(ca,6)
```

im getting error like this,

Conflicting data structures: KSOM,<STRUCT Array[1]>.

can anyone let me know what is the problem here.

thanks

Subject: Re: array of structures -- error Conflicting data structures

Posted by [dcleuclidwl](#) on Tue, 01 Nov 2016 13:21:40 GMT

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You don't show us what is in your loop but I suspect you are trying to change a named structure, which is forbidden.

For example, if you create a structure and name it 'ksom'

```
create_struct,ca,'ksom',['DATA','XC','YC','DX','DY','TIME'], 'd(767,684),d(1),d(1),d(1),d(1),a(1)'
```

```
ksom=replicate(ca,6)
```

then you cannot later define a structure named 'ksom' with a different sized array.

```
IDL> create_struct,ca,'ksom',['DATA','XC','YC','DX','DY','TIME'],
```

```
'd(245,839),d(1),d(1),d(1),d(1),d(1)'
```

```
% Conflicting data structures: <DOUBLE Array[767, 884]>,KSOM.
```

I suspect you want to use an anonymous structure (use " instead of 'ksom') though you could also use a different name each time the structure definition changes.

(Note that the procedure CREATE_STRUCT is not native to IDL

http://idlastro.gsfc.nasa.gov/ftp/pro/structure/create_struct.pro

though the *function* CREATE_STRUCT() is.) --Wayne

On Tuesday, November 1, 2016 at 6:31:02 AM UTC-4, sid wrote:

```
> Hi all,  
> I need to create an array of structures,  
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>  
> create_struct,ca,'ksom',['DATA','XC','YC','DX','DY','TIME'], 'd(767,684),d(1),d(1),d(1),d(1),a(1)'  
>  
> ksom=replicate(ca,6)  
>  
>  
> im getting error like this,  
> Conflicting data structures: KSOM,<STRUCT Array[1]>.  
>  
>  
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>  
> thanks
```
