
Subject: array of map structures

Posted by [gunvicsin11](#) on Wed, 02 Nov 2016 04:28:29 GMT

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Hi all,

I would like to make movie of an array of map structures. But I couldnt make array of map structures. I have created structure using create_struct,

```
create_struct,ca,'ksom',  
  ['DATA','XC','YC','DX','DY','TIME','ID','DUR','XUNITS','YUNI  
TS','ROLL_ANGLE','ROLL_CENTER'],d(767,684),d(1),d(1),d(1),d  
(1),a(1),a(1),f(1),a(1),a(1),d(1),d(2)  
ksom=replicate(ca,nn)
```

then inside the loop I have given like this,

```
ksom(ii)=make_map(dumksodata1,xc=correct_kso_map.xc,yc=corre  
ct_kso_map.yc,dx=correct_kso_map.dx,dy=correct_kso_map.dy,ti me=correct_kso_map.time)
```

now for example if I do plot_image,ksom(2).data then the output is displayed. But if I do Plot_map,ksom(2) then I am getting error like this, PLOT_MAP_INDEX: Extracted data is not 2-D.

Please let me know what is the problem here.

thanks

Subject: Re: array of map structures

Posted by [David B](#) on Wed, 02 Nov 2016 10:17:03 GMT

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On Wednesday, 2 November 2016 04:28:33 UTC, sid wrote:

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>

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> couldnt make array of map structures. I have created structure

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> create_struct,ca,'ksom',

> ['DATA','XC','YC','DX','DY','TIME','ID','DUR','XUNITS','YUNI
TS','ROLL_ANGLE','ROLL_CENTER'],d(767,684),d(1),d(1),d(1),d
(1),a(1),a(1),f(1),a(1),a(1),d(1),d(2)

> ksom=replicate(ca,nn)

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> ksom(ii)=make_map(dumksodata1,xc=correct_kso_map.xc,yc=correct_kso_map.yc,dx=correct_kso_map.dx,dy=correct_kso_map.dy,time=correct_kso_map.time)
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> now for example if I do plot_image,ksom(2).data then the output is
> displayed. But if I do Plot_map,ksom(2) then I am getting error like this,
> PLOT_MAP_INDEX: Extracted data is not 2-D.
>
> Please let me know what is the problem here.
> thanks
```

It's not something as simple as your input data array being of the form:

```
data = [n, m, 1]
```

rather than the

```
data = [n, m]
```

form expected by the function?

You could carry out a test to see if this is the case. If so, then you can use the `reform( data )` to get rid of the extra dimension.

David
