
Subject: Re: how to combine two data into one data?
Posted by [Benjamin Luethi](#) on Tue, 19 Apr 2005 14:54:35 GMT
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Hi,

I'm not sure what you're trying to do...

if you want x and y in the same array use:
data=[[x],[y]]

(Now data[3,0] = x[3] and data[7,1] = y[7])

But most plotting routines require x and y
seperately, so don't bother.

Ben

On Tue, 19 Apr 2005 16:08:18 +0200, lixiaoyao <lixiaoyao5880@yahoo.com>
wrote:

> for example
> x=10*pi*findgen(1001)/1000
> y=10*pi*findgen(1001)/1000
> how to let z a two dimension vector compose if x and y.
> Thanks
>

--

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Subject: Re: how to combine two data into one data?
Posted by [lixiaoyao](#) on Tue, 19 Apr 2005 15:13:11 GMT
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Benjamin Luethi wrote:

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> Using Opera's revolutionary e-mail client: <http://www.opera.com/m2/>

Subject: Re: how to combine two data into one data?
Posted by [Benjamin Luethi](#) on Tue, 19 Apr 2005 15:31:31 GMT
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It means nothing - it's only my opinion:

I assumed that x and y are both plot axis to plot some function or data
z(x,y)

IDL likes to have the two axis seperately:
SHADE_SURF, Z, X, Y
CONTOUR, Z, X, Y
etc...

So, by combining the two axis you don't save anything, because you have to
split them again for the next plotting call.

Ben

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Subject: Re: how to combine two data into one data?
Posted by [lixiaoyao](#) on Tue, 19 Apr 2005 15:51:46 GMT
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so,how many method is there to draw a three dimension graph,can you
tell me some of it.
also,how to change the viewed angel and how to draw contour?

Thanks

Subject: Re: how to combine two data into one data?
Posted by [K. Bowman](#) on Tue, 19 Apr 2005 16:18:01 GMT
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In article <1113919698.898482.283570@o13g2000cwo.googlegroups.com>,
"lixiaoyao" <lixiaoyao5880@yahoo.com> wrote:

- > for example
- > x=10*pi*findgen(1001)/1000
- > y=10*pi*findgen(1001)/1000
- > how to let z a two dimension vector compose if x and y.
- > Thanks

I think you want something like this:

```
xx = x#REPLICATE(1.0, 1001)
yy = REPLICATE(1.0, 1001)#y
```

```
z = xx*yy
SURFACE, Z
```

Ken Bowman

Subject: Re: how to combine two data into one data?
Posted by [Benjamin Hornberger](#) on Tue, 19 Apr 2005 16:30:48 GMT
[View Forum Message](#) <> [Reply to Message](#)

lixiaoyao wrote:

- > so,how many method is there to draw a three dimension graph,can you
- > tell me some of it.
- > also,how to change the viewed angel and how to draw contour?
- > Thanks
- >

Have a look at SHADE_SURF and CONTOUR in the IDL help index. All keywords are described in detail. At the bottom of the page, you'll find links to related routines, which can point you to other 3d visualization methods.

On David's web site (<http://www.dfanning.com/documents/tips.html>), there's a section "Graphical Display Tips (3d)". I recommend to skim over that whole web page again and again as you make progress with IDL. Each time you understand a new thing.

