Subject: Re: 2 slices in 3D space
Posted by mankoff on Thu, 29 Nov 2007 06:18:16 GMT
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On Nov 29, 4:35 pm, caitouer <caito...@yahoo.com> wrote:

```
> Greetings, all,
>
> I have never done this and have no idea how to start. I have two 2D
> data files, i.e., temperature T(x, y, z=0) and T(x, y=0, z). I would
> like to plot two orthogonal slices, i.e., T in xoy plane and T in xoz
> planes, and show them in 3D space. Hopefully I describe this clearly.
> Basically I want to get something like this:
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>
> Any hint will be appreciated.
>
> Caitouer
```

The fine skill of ASCII art requires both the artist and the artee (or viewer) to use fixed width fonts. I'm viewing with a fwf but it does not make sense to me. Did you create it with one?

For those of your who really enjoy ASCII art, I recommend ASCIIMoviePlayer here: http://users.ugent.be/~jmaebe/ASCIIMoviePlayerSample/ which also has links to various other ASCII movie player code bases.

Regarding getting your planar data viewable in a 3D space, I'd take a look at the thunderstorm demo.

Subject: Re: 2 slices in 3D space
Posted by David Fanning on Thu, 29 Nov 2007 06:32:27 GMT
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caitouer writes:

> I have never done this and have no idea how to start. I have two 2D
> data files, i.e., temperature T(x, y, z=0) and T(x, y=0, z). I would

```
>  like to plot two orthogonal slices, i.e., T in xoy plane and T in xoz
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>              |                            |
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>  ------------------------------
>
>  Any hint will be appreciated.
```

I'd have a look at SCALE3 and the T3D keyword to the PLOTS
command.

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: 2 slices in 3D space
Posted by caitouer on Fri, 30 Nov 2007 03:34:48 GMT
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Thanks for your information. I will take a look.

Caitouer

Subject: Re: 2 slices in 3D space
Posted by caitouer on Fri, 30 Nov 2007 03:35:26 GMT
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On Nov 29, 1:32 am, David Fanning <n...@dfanning.com> wrote:
> caitouer writes:
>> I have never done this and have no idea how to start. I have two 2D
>> data files, i.e., temperature T(x, y, z=0) and T(x, y=0, z). I would
>> like to plot two orthogonal slices, i.e., T in xoy plane and T in xoz

>> planes, and show them in 3D space. Hopefully I describe this clearly.
>> Basically I want to get something like this:
>
>> ----------
>> | |
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>> ----------
>
SCALE3 seems promising. I will post my code after I figure it out.

Thanks,

Caitouer

>> Any hint will be appreciated.
>
> I'd have a look at SCALE3 and the T3D keyword to the PLOTS
> command.
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: 2 slices in 3D space
Posted by Spon on Fri, 30 Nov 2007 12:03:20 GMT
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On Nov 30, 3:35 am, caitouer <caito...@yahoo.com> wrote:
> SCALE3 seems promising. I will post my code after I figure it out.

if you want something very simple, try:
SHOW3, T[*, *, 0], REFORM (T[*, 0, *])

But for anything beyond the simple plot that this one-liner gives, I'm
sure David's method is much more managable, customisable and generally
sensible. :-)

Chris