Subject: Re: Ilmage Command Line

Posted by Jean H. on Mon, 16 Oct 2006 17:55:25 GMT

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```
StevenM wrote:
```

```
    I hope that someone can help me.
    I have a 3D array of data. Lam trying
```

- > I have a 3D array of data. I am trying to display this using iimage.
- > When I use the command
- > iimage, filename(\*,\*,30)
- > I get the slice I want through the volume. But if I try to get the
- > slice at another orientation i.e
- > iimage, filename(30,\*,\*)
- > I get an error message that says the first arguement is invalid.

>

- > If I use the tvscl command I get images in both orientations with no
- > problems but I would rather us iimage as I find further manipulations
- > are easier.

>

> Thanks in advance

> Steven

>

try iimage, REFORM(filename[30,\*,\*])

If you put a number in the first position, you will have an aditional dimension of size 1.

a = indgen(10,10,10)

```
DL> help, a[*,*,1]
<Expression> INT = Array[10, 10]
IDL> help, a[2,*,*]
<Expression> INT = Array[1, 10, 10]
IDL help, reform(a[2,*,*])
<Expression> INT = Array[10, 10]
```

Jean

Subject: Re: Ilmage Command Line

Posted by Michael Galloy on Mon, 16 Oct 2006 18:01:10 GMT

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## StevenM wrote:

- > I have a 3D array of data. I am trying to display this using iimage.
- > When I use the command

- > iimage, filename(\*,\*,30)
- > I get the slice I want through the volume. But if I try to get the
- > slice at another orientation i.e
- > iimage, filename(30,\*,\*)
- > I get an error message that says the first arguement is invalid.

## Try:

```
iimage, reform(filename[30, *, *])

It's one of those quirks of IDL that filename[*, *, 30]

is a m by n array, but
```

is a 1 by n by k array. ilmage does not like a 1 by m by n array. The REFORM above removes the extra dimension of size 1 (and can do other dimension juggling tasks with more arguments).

Mike

--

www.michaelgalloy.com

filename[30, \*, \*]