
Subject: Re: Cross-section

Posted by [pford](#) on Sat, 07 Sep 1996 07:00:00 GMT

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In article <Pine.SGI.3.91.960828160955.9999C-100000@swsgi01>, Richard Dixon <rdixon@swsgi01> wrote:

> As part of my Ph.D I am starting, I need to be able to display some
> graphics. The data set is integers in x,y and z positions, with x and y
> part of a 92x92 grid, with 19 z levels. I need to display a vertical
> cross section along any line in the x,y plane.
>
> Is this easily done, and can anyone point me to any commands that I can
> use - I am a new user of IDL!
>
> Many thanks,
>
> Rich

From one IDL-novice to another, you can take this for what it is worth.

I can think of two ways.

1) The slicer command `R 1-812`, looks like just what you want.

2) a klugy way:

```
M = intarr(92,92,19)
```

```
xy = intarr(92,92)
```

```
xz = intarr(92,19)
```

```
.
```

```
.
```

```
xz = M(*,5,*) ;xz is now the 92,19 pixel slice where y = 5
```

```
tvslc, xz
```
