
Subject: Re: How to obtain contour data through contour command?

Posted by on Tue, 22 Oct 2013 13:14:18 GMT

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On 2013-10-22 14:12, jacobsvensmark@gmail.com wrote:

> So I have regularly gridded $f(x,y)$ values, and I wish to know for which x,y I have $f(x,y)=k$. I imagine this is exactly what the contour command does, though I don't believe it can only plot the curve, not output the curve in an array.

The array indices are easy to find:

```
IDL> f = [[1, 2, 3], [2, 3, 2]]
```

```
IDL> print, f
```

```
1    2    3
```

```
2    3    2
```

```
IDL> print, array_indices(f, where(f eq 2))
```

```
1    0
```

```
0    1
```

```
2    1
```

If the x and y coordinates are different from the grid indices you will need to use the indices to get them. How that is done depends on how those coordinates are specified.
