
Subject: Re: How can i get the co-ordinates of the peaks in a plot?
Posted by [Tigran Khanzadyan](#) on Mon, 25 Sep 2006 09:10:28 GMT
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zircola wrote:

> I used max function to get the y value but don't know how to get the
> corresponding x value and how to get the xy value of the more than one
> peaks. please help. thanks:)

Hi,

I can quickly answer to your first question:

```
sizeim=size(image)
szx=sizeim(1)*1.
szy=sizeim(2)*1.
inx=where(image eq max(image))
xv=round((inx/szx-fix(inx/szx))*szx)
xv=xv(0)
yv=fix(inx/szx)
yv=yv(0)

xx=findgen(szx)-xv
yy=findgen(szy)-yv
xx=xx*(image pixel scale)*(-1.) ; for correct RA direction
yy=yy*(image pixel scale)
```

You can use this coordinates to make a plot with 0 on maximum value.
For more peaks, maybe you can overplot contours and show that way
some of your peaks.

I hope this can solve some of your problems.

Cheers
