
Subject: Re: How can i get the co-ordinates of the peaks in a plot?

Posted by [Braedley](#) on Mon, 25 Sep 2006 12:05:26 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:)

An optional argument for max is max_subscript. Set this to a named variable to get the index of the array that contains the maximum value.

Then it's as simple as subscripting your x array with that named variable.

```
y_val=max(y, max_index, /abs)
```

```
x_val=x[max_index]
```

```
print, 'The maximum occured at ', x_val, ' and had a value of ', y_val
```
