
Subject: Region inside the CONTOUR

Posted by [James\[1\]](#) on Tue, 02 Aug 2005 08:25:11 GMT

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Hi !

Can anyone help me with a problem ? There is a ROI in the image for which I want to get some statistics. Basically what are needed: total flux of the area inside the ROI and the parameters of the ellipse, fitted to that region.

Is there ant robust way of doing that ?

I have several ROIs in the image and this is how I define them:

.....

```
contour, im1, PATH_XY=xy, PATH_INFO=info, LEVELS=[3*sigma],  
PATH_DATA_COORDS=1
```

```
data_index = WHERE(info(*).N GT 15) ; ---- select regions larger than 15  
pixels
```

```
data_total = size (data_index,/N_ELEMENTS)
```

```
my_roi = PTRARR (data_total, /ALLOCATE_HEAP)
```

```
for i=0L, data_total-1 do begin
```

```
    s = [indgen(info(data_index[i]).N),0]
```

```
    *my_roi[i] = xy(*,info(data_index[i]).offset + s)
```

```
endfor
```

.....

Thank you in advance !

James
