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Subject: Re: finding boundary in image having multiple region of interest

Posted by [gunvicsin11](#) on Wed, 31 Aug 2016 06:21:41 GMT

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On Tuesday, August 30, 2016 at 2:22:18 PM UTC+5:30, Helder wrote:

> On Tuesday, August 30, 2016 at 8:07:48 AM UTC+2, sin wrote:

>> Hi all,

>> I need to select roi having combined pixel area above 3493pixels and intensity above 1.25.

>>

>> I tried using find\_boundary which gives the pixel area for pixels above the threshold for one roi that we give as input. But in one image I have multiple rois to be selected. so find\_boundary will not work.

>>

>> I have several images like this.

>>

>> So do anyone have any idea to do this.

>>

>> The threshold should be the intensity should be more than 1.25 and the combined pixel area should be greater than 3493 pixels.

>>

>> thanks

>

> Hi,

> I don't understand why you tried find boundary. But I think what you're looking for is a combination of "greater then" and label\_region.

>

> subImage = myImage gt 1.25

> lr = label\_region(subImage)

>

> then use histogram to identify the regions and look for the one's with more than 3493 pixels. In case of doubt, follow the example given for label\_region:

> [http://www.harrisgeospatial.com/docs/LABEL\\_REGION.html](http://www.harrisgeospatial.com/docs/LABEL_REGION.html)

>

> Here is what is of interest for you:

>

> h = histogram(lr, REVERSE\_INDICES=r)

>

> ; Print the mean and standard deviation of each region

> FOR i=0, N\_ELEMENTS(h)-1 DO if h[i] gt 3493 then \$

> PRINT, 'This region ', i, ', has a population greater than 3493 and has = ', h[i], \$

> ', elements. The indices of this region are between ', r[i],' and ', r[i+1]-1

>

> I hope this helps.

>

> Cheers,

> Helder

Thanks a lot helder, it is very helpful.  
But I couldnt understand how to get array x,y coordinates from the indices r(i).  
can i use array\_indices for this purpose.  
I tried but i am not sure whether it is correct or not.

thanks

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