Subject: Re: How to eliminate smaller blob from label_region image
Posted by Wout De Nolf on Mon, 22 Aug 2011 08:13:14 GMT

On Sun, 21 Aug 2011 22:40:24 -0700 (PDT), vijay s
<vijayans.in@gmail.com> wrote:

> hi all,
>
>   I used label_region to get individual blob id for each region.
> But few of my blobs are very small in area wise and
> i want to eliminate those from my images and retain blobs of larger
> area (say pixel area gt 10). How can i eliminate unwanted smaller
> blobs?
>
>
> thanks in advance.

By using the HISTOGRAM function:


```
; Minimum number of blob pixels
npix_threshold=10

; Get image
 path=FILEPATH('pollens.jpg',SUBDIR=['examples','demo','demod ata'])
READ_JPEG, path, image

; Get blob indices
b = LABEL_REGION(image gt 150)

; Get population and members of each blob
h = HISTOGRAM(b, REVERSE_INDICES=r)

; Regions with small number of pixels
ind = where(h lt npix_threshold,ct)

; Remove the small regions
for i=0l,ct-1 do b[r[r[ind[i]]:r[ind[i]+1]-1]]=0
```


Obviously, some indices will be missing since you zero'ed them out.
You might want to fix that. It might not even be necessary to set the
small blob indices to zero. It all depends on what you will do with
the blob indices.