Subject: Re: Automatic Segmentation of a region
Posted by Martin Downing on Mon, 04 Mar 2002 13:59:39 GMT
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"Akhila" <idlfreak@yahoo.com> wrote in message
news:b1ad7b05.0203031342.226685ea@posting.google.com...
> Hi,
> I have a small problem in segmentation. I first threshold a image and
> then i perform morphological operations on the binary image. Using
> label_regions i've identified all the blobs. I used the where function
> to get the regions in each blob. I have one huge blob and the rest are
> small. I want to make all the pixels in the small blob as 0.
> I tried the following:
>
> Method1:
>
> im = Origimage and morphimage
> tv,image
>

I havent a clue how this would be what you want, try adding a comment to say
what it should be doing

> Method 2:
>
> for j = 1, noofblobs do begin
> region = Where (morphimage eq j)
> Area = n_elements(region)
> if (Area le 80000) then begin
> morphimage[region] = 0B
> endif
> endfor
>
refering also to:
> ... I have one huge blob and the rest are
> small. I want to make all the pixels in the small blob as 0.

or to put it another way, you want everything but the large blob to be 0,
and the large blob set to 1?
this method is taken from working code
==========
```
    ; threshold_image could be from an segmentation routine
    ;e.g.:   threshold_image = image LT 100b

     label_im = label_region1(threshold_image)

     ; use histogram to count area of each labeled region (blob)
     area = histogram(label_im, min=0, binsize = 1))
```

```
    ; if you want just the blob of maximum area:
    max_area = max(area,max_label)

    ; now create a binary mask of the biggest blob
    big_blob = label_im eq max_label

    ; and display it
    tvscl, big_blob
=====================
```

hope this help you,

cheers

Martin

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