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Subject: Re: Segmentation in ENVI

Posted by [Mort Canty](#) on Wed, 10 Sep 2008 18:51:44 GMT

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guillermo.castilla.castellano@gmail.com schrieb:

```
> Mort,
>
> This involves several calls to Label_Region, but perhaps is easier
> than Pal's suggestion (and will work also for a 8-neighborhood, by
> including the /all kw in the call):
>
> limg = LABEL_REGION(climg EQ cl[0],/ULONG)
> FOR i = 1, n - 1 DO BEGIN
>   mxlb = MAX(limg)
>   climgi = climg EQ cl[i]
>   limg = TEMPORARY(limg) + (LABEL_REGION(climgi, /ULONG) +
>   climgi*mxlb)
> ENDFOR
>
> Where climg is your classified image and cl is an array of n elements
> containing the (numeric) labels of your classes. You might need to
> zero the frame of your image before doing this.
>
> Cheers
>
> Guillermo
>
```

Thanks, Guillermo. This is very elegant, and it's easier as you say.  
Using Tal's method with /all\_neighbors I was separating each class plane  
in the 3D cube with an empty plane to keep the blobbing from jumping  
across class boundaries. Any idea why the ENVI built-in doesn't work?

Mort

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