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Subject: Re: Difficult Label\_region question  
Posted by [Gaurav](#) on Fri, 25 Apr 2008 07:09:50 GMT  
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>> I want to use the label\_region  
>> in order the imnew to contain three segments. The first segment  
>> contains pixels from the first channel, the second segment contain  
>> pixels from the second channel, and the third segment contains pixels  
>> from the third channel.

Even in that case, LABEL\_REGION is not the function to use.  
LABEL\_REGION is used in a binary image when there are some pixels  
clumped together. Suppose you had a binary satellite image in which  
all the water bodies were colored with the value 255 while all rest  
was 0. If there were 5 separate waterbodies, you could use  
LABEL\_REGION to identify the number of waterbodies, number them and to  
find the pixels belonging to each waterbody. Ergo, WHERE would still  
be the function that would come into use for you.

You should use WHERE function with the INDICES keyword to get the  
locations that satisfy your value, something like  
index\_blue = WHERE(BLUE GT GREEN AND BLUE GT RED)  
where BLUE GREEN and RED contain the three bands of your data.

Similarly you can get the elements for index\_green and index\_red.  
These three variables will contain the "segments" you are looking for  
and you can process them together.

Hope it helps...

Gaurav

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