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Subject: Re: label\_region/histogram help

Posted by [david.b.valdez](#) on Fri, 06 Nov 2009 17:03:58 GMT

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On Nov 3, 3:54 pm, David Fanning <da...@dfanning.com> wrote:

> Dave wrote:

>> I need some help on an image I'm working on.

>

>> I've got many regions that I've distinguished via LABEL\_REGION and

>> looked at the population of the regions using HISTOGRAM. Most of

>> these regions have a population of less than 5 or so. For these

>> regions I have made the population zero by:

>

>> im\_pop = where(areas lt 5, numbers)

>> if numbers lt 5 then area[im\_pop]=0

>

>> After I've got the populations of my regions where I want, for the

>> most part, I need to get all the regions, including the 0 population

>> regions, back into pixel space for display. I cannot for the life of

>> me figure this out.

>

> Presumably you have your original image, let's call it image.

> I assume it is Long Integers.

>

> You have your Label\_Region result, call it labelRegion.

>

> So, to restore the regions from your original images, you would

> do something like this:

>

> s = Size(image, /Dimensions)

> displayImage = LonArr(s[0], s[1])

> FOR j=1,Max(labelRegion)-1 DO BEGIN

>     thisRegion = Where(labelRegion EQ j, count)

>     IF count EQ 0 THEN Continue

>     displayImage[thisRegion] = image[thisRegion]

> ENDFOR

> TVImage, BytScl(displayImage)

>

> This could be faster using the reverse indices to the Histogram

> command, but \*much\* harder to explain. :-)

>

> Cheers,

>

> David

Thanks so much, that's exactly what i was looking for.

Dave

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