Subject: Re: Difficult Label_region question
Posted by Jonathan Dursi on Thu, 24 Apr 2008 04:33:29 GMT
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On Apr 23, 10:21 pm, moxam...@gmail.com wrote:

> I have an image/array im[300, 300, 3] and I want to compare the the
> value of of each element in each channel and write the bigger in a new
> array imnew[300,300] keeping the information from which channel is the
> element value in the new array.

It's not clear to me that label_region is really what you need
here.
The following seems more along those lines:

```
;; just get some random data

img = randomu(1,300,300,3)

;; find the maximum value along the colour axis,
;; along with where that maximum resides -- as a
;; 1d index into the entire img array

imgnew = max(img,ms,DIMENSION=3)

;; reform that 1d array of 1d indicies first into a 1d array
;; of 3d indicies into the array pointing where the maximum
;; is; put that back into the 300x300 shape of the initial
;; image, and take the only index we need, the color index

imgcolor = reform((reform(array_indices(img,ms),3,300,300))[2,*,*])
```

So now imgnew[xi,yi] has the maximum channel intensity
for pixel (xi,yi) and imgcolor[xi,yi] has the channel number
(0,1, or 2) of that maximum.

If you only want to do this for plotting purposes, there may
be some easier/faster way to go about it, but this seems like
the most direct way to get the asked-for info...

Jonathan
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