
Subject: Re: Overlay a coloured boundary on a gray scale image

Posted by [titan](#) on Fri, 12 Oct 2012 10:00:22 GMT

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On Thursday, October 11, 2012 1:46:51 PM UTC+2, titan wrote:

> Hi all,

>

> I have a grey scale image and I'm able to overlay the boundary of my region but it is in black.

>

>

>

> To improve its visualization I would like to color it(for example in blue)

>

>

>

> Is there a way to do it?

>

>

>

> since I have the array where the boundary indexes are stored, is there a way to associate to the the RGB triplet of a color?

>

>

>

> thanks in advance

Hi all,

probably my question is not clear :(and I'm sorry for this.

I try to explain it better:

I'm able to read a shapefile from which I'm able to obtain the corresponding image which is a binary one. Then I can extract those subscripts values where the boundary is

```
boundary_index = WHERE(boundary_array NE 0)
```

my gray scale image has the same dimension of the boundary image and as a consequence I can draw the line over it (in white)

```
image[boundary_index]=255
```

What I would like to do is to understand if I could draw this line not in white but in another color, for example yellow.

Is there this possibility?

thanks a lot

Subject: Re: Overlay a coloured boundary on a gray scale image

Posted by [David Fanning](#) on Fri, 12 Oct 2012 12:35:42 GMT

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titan writes:

- > probably my question is not clear :(and I'm sorry for this.
- > I try to explain it better:
- >
- > I'm able to read a shapefile from which I'm able to obtain the corresponding image which is a binary one. Then I can extract those subscripts values where the boundary is
- >
- > boundary_index = WHERE(boundary_array NE 0)
- >
- > my gray scale image has the same dimension of the boundary image and as a consequence I can draw the line over it (in white)
- >
- > image[boundary_index]=255
- >
- > What I would like to do is to understand if I could draw this line not in white but in another color, for example yellow.
- >
- > Is there this possibility?

I presume you are using indexed color to display your image.

Simply load your image colors into indices 0 to 254 and use color index 255 to load whatever color you like.

I would do it like this:

```
LoadCT, 0, NColors=254
TVLCT, 255, 255, 0, 255 ; Yellow in index 255
scaledImage = BytScl(image, TOP=254
scaledImage[boundary_index] = 255
cglImage, scaledImage
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thue. ("Perhaps thos speakest truth.")
