Subject: Re: hieghlighting pixel
Posted by rogass on Thu, 27 May 2010 07:20:59 GMT
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On 27 Mai, 06:56, afzal <afzal....@gmail.com> wrote:
> in my work i need to highlight some points(pixels) of binary image
> with some color(eg:-red). cud anybody help me to do this
> thanking you
> afzal

This will be difficult, because a binary image only has 0's and 1's.
You have to transform the image, e.g.:

tv,[[[255b*((ff=dist(256) gt 100.))]],[[255b*(ff eq 0b)]],
[[255b*(temporary(ff) eq 0)]]] ,true=3

or maybe in your case:

showresultonly=1; or 0 to keep the new result
condition = image eq 1; or 0 if you want to highlight the 0's
red=255b
green=0b; 255b if you want to show 0's in green you must also set blue
to 0b
blue=255b
; to show only the condition in red you have to set green and blue to
0b
result=[[[red*condition]],[[green*(~condition)]],
[[blue*(~temporary(condition))]]]
tvscl, showresultonly? temporary(result) : result,true=3 ; shows 1's
in red and 0's in blue according your condition

Hope it helps

CR

Subject: Re: hieghlighting pixel
Posted by rogass on Thu, 27 May 2010 07:25:24 GMT
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Small correction:

showresultonly=1; or 0 to keep the new result
red=255b
green=0b
;green=255b & blue=0b if you want to show 0's in green
blue=255b
;to show only the condition in red you have to set green and blue to

0b
result=[[[red*image]],[[green*(~image)]],[[blue*(~image)]]]
tvscl, showresultonly? temporary(result) : result,true=3
;shows 1's in red and 0's in blue according your condition

:)

CR

Subject: Re: hieghlighting pixel
Posted by David Fanning on Thu, 27 May 2010 12:11:03 GMT
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afzal writes:

> in my work i need to highlight some points(pixels) of binary image
> with some color(eg:-red). cud anybody help me to do this
> thanking you

Scale your image into some number of values less
that 256, then use these "extra" values for your
colors.

```
image = dist(200)
scaledImage = BytScl(image, Top=250)
```

Now, load your colors appropriately. For example,
your scaled image now has 251 values (0 to 250),
so the color table is loaded like this:

```
LoadCT, 0, NColors=251
```

Next, load your drawing color. Red in this case,
at color index number 251:

```
TVLCT, 255, 0, 0, 251
```

Now, select your pixels that will be red:

```
indices = Where(image gt 75 and image lt 85, count)
IF count gt 0 THEN scaledImage[indices] = 251
```

Then, just display your image:

```
TVImage, scaledImage, /NoInterp, /Keep_Aspect
```

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: hieghlighting pixel
Posted by Juggernaut on Thu, 27 May 2010 13:58:56 GMT
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On May 27, 8:11 am, David Fanning <n...@dfanning.com> wrote:
> afzal writes:
>> in my work i need to highlight some points(pixels) of binary image
>> with some color(eg:-red). cud anybody help me to do this
>> thanking you
>
> Scale your image into some number of values less
> that 256, then use these "extra" values for your
> colors.
>
> image = dist(200)
> scaledImage = BytScl(image, Top=250)
>
> Now, load your colors appropriately. For example,
> your scaled image now has 251 values (0 to 250),
> so the color table is loaded like this:
>
> LoadCT, 0, NColors=251
>
> Next, load your drawing color. Red in this case,
> at color index number 251:
>
> TVLCT, 255, 0, 0, 251
>
> Now, select your pixels that will be red:
>
> indices = Where(image gt 75 and image lt 85, count)
> IF count gt 0 THEN scaledImage[indices] = 251
>
> Then, just display your image:
>
> TVImage, scaledImage, /NoInterp, /Keep_Aspect
>

> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Another option is simply to plot them onto the image. Figure out
which pixels you want to highlight and do the following.
xSize and ySize will be the size of the window you are working
with..making sure that the window fits the data by some integer
multiple
For example if my image size was 200x312 and you made a window to
display it in, it should be something like 400x624
xSize = 400, ySize=624
Then you would just multiply your x and y subscripts that you found
and wanted to highlight by the zoom factor (2 in this case)
plot, [0], [0], xmargin=[0,0], ymargin=[0,0], xrange=[0,xSize-1],
yrange=[0,ySize-1], /noerase, /nodata, ystyle=5, xstyle=5
oplot, xInds*2, yInds*2, color=fsc_color('red'), psym=6, symsize=0.15

Voila, you now will have red pixels where you want them and the rest
will remain white or black.

Subject: Re: hieghlighting pixel
Posted by Juggernaut on Thu, 27 May 2010 13:59:59 GMT
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On May 27, 12:56 am, afzal <afzal....@gmail.com> wrote:
> in my work i need to highlight some points(pixels) of binary image
> with some color(eg:-red). cud anybody help me to do this
> thanking you
> afzal

The plotting method also allows you to highlight different pixels of
interest with many different colors.

Subject: Re: hieghlighting pixel
Posted by Craig Markwardt on Thu, 27 May 2010 14:37:02 GMT
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On May 27, 9:59 am, Bennett <juggernau...@gmail.com> wrote:

> On May 27, 12:56 am, afzal <afzal....@gmail.com> wrote:
>
>> in my work i need to highlight some points(pixels) of binary image
>> with some color(eg:-red). cud anybody help me to do this
>> thanking you
>> afzal
>
> The plotting method also allows you to highlight different pixels of
> interest with many different colors.

Yep, that's what I do.
Craig
