
Subject: Re: problem with writing a 2D image .tiff
Posted by [Vince Hradil](#) on Wed, 18 Apr 2007 13:52:06 GMT
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On Apr 18, 7:54 am, "aleks.fra...@gmail.com" <aleks.fra...@gmail.com>

wrote:

> Hy
> My code reads a 2D tiff image and I create a colortable with 6 levels.
> It works fine, and I can visualize the result image, but I'm having a
> hard time trying to write the image to my computer.
>
> ;Code:
>
> image = read_tiff('myImagePath\myImage.tiff')
>
> device, decompose = 0
>
> colorLevels = [[0 , 0 , 0], \$
> [0 , 0 , 255], \$
> [51 , 194, 255], \$
> [182, 255, 143], \$
> [255, 200, 0], \$
> [255, 0 , 0]]
>
> numOfLevel = CEIL(!D.TABLE_SIZE/6.)
> level = INGEN(!D.TABLE_SIZE)/numOfLevel
>
> newRed = colorLevels[0, Nivel]
> newGreen = colorLevels[1, Nivel]
> newBlue = colorLevels[2, Nivel]
>
> TVLCT, newRed, newGreen, newBlue
>
> x = 900
> y = 600
>
> ;;=Visualize result image
> image = CONGRID(image, x, y)
>
> WINDOW, 0, xSize = x, ySize = y
>
> TVSCL, image, /order
>
>
>
> This first part works fine. The problem is below, when I try to write
> the result image
>

```
> :::::::  
> ;;;;;;using write_tif  
> :::::::  
> ;____ TIF  
> newRed = reform(newRed)  
> newGreen = reform(newGreen)  
> newBlue = reform(newBlue)  
>  
> Write_tiff, 'C:\IDL\tests\mytif.tif', image, $  
    RED=newred, GREEN=newgreen, BLUE=newblue  
> :::::::  
> ;;;;;;I've also tried using write_Jpeg  
> :::::::  
> ;____ JPEG  
> array = bytarr(3,x,y)  
> array[0,*,*] = newred[image]  
> array[1,*,*] = newgreen[image]  
> array[2,*,*] = newblue[image]  
>  
> Write_jpeg, 'C:\IDL\tests\myimage.jpg',array, TRUE = 1  
>  
> .....  
>  
> Does anyone have any idea whats wrong? I'm sure its very easy problem  
> to treat, but I'm stuck on this problem for 1 week.  
>  
> Thank you  
> Aleksander
```

So what happens? What's "the problem"?

Subject: Re: problem with writing a 2D image .tiff
Posted by [Vince Hradil](#) on Wed, 18 Apr 2007 14:07:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Apr 18, 7:54 am, "aleks.fra...@gmail.com" <aleks.fra...@gmail.com> wrote:

```
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>  
> device, decompose = 0
```

```

>
> colorLevels = [ [0 , 0 , 0 ], $  

>                 [0 , 0 , 255], $  

>                 [51 , 194, 255], $  

>                 [182, 255, 143], $  

>                 [255, 200, 0 ], $  

>                 [255, 0 , 0 ] ]  

>  

> numOfLevel = CEIL(!D.TABLE_SIZE/6.)  

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>  

> newRed = colorLevels[0, Nivel]  

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> newBlue = colorLevels[2, Nivel]  

>  

> TVLCT, newRed, newGreen, newBlue  

>  

> x = 900  

> y = 600  

>  

> ::;Visualize result image  

> image = CONGRID(image, x, y)  

>  

> WINDOW, 0, xSize = x, ySize = y  

>  

> TVSCL, image, /order  

>  

> .....  

>  

> This first part works fine. The problem is below, when I try to write  

> the result image  

>  

> :::::::  

> :::::::using write_tif  

> :::::::  

> ::____ TIF  

> newRed = reform(newRed)  

> newGreen = reform(newGreen)  

> newBlue = reform(newBlue)  

>  

> Write_tiff, 'C:\IDL\tests\mytif.tif', image, $  

>     RED=newred, GREEN=newgreen, BLUE=newblue  

> :::::::  

> :::::::I've also tried using write_Jpeg  

> :::::::  

> ::____ JPEG  

> array = bytarr(3,x,y)  

> array[0,*,*] = newred[image]

```

```
> array[1,*,*] = newgreen[image]
> array[2,*,*] = newblue[image]
>
> Write_jpeg, 'C:\IDL\tests\myimage.jpg',array, TRUE = 1
>
> .....
>
> Does anyone have any idea whats wrong? I'm sure its very easy problem
> to treat, but I'm stuck on this problem for 1 week.
>
> Thank you
> Aleksander
```

So what is "the problem"? What goes wrong?

Subject: Re: problem with writing a 2D image .tiff
Posted by aleks.franca@gmail.co on Thu, 19 Apr 2007 01:03:36 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 18 abr, 11:07, hradilv <hrad...@yahoo.com> wrote:

```
> On Apr 18, 7:54 am, "aleks.fra...@gmail.com" <aleks.fra...@gmail.com>
> wrote:
>
>
>
>> Hy
>> My code reads a 2D tiff image and I create a colortable with 6 levels.
>> It works fine, and I can visualize the result image, but I'm having a
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>                  [255, 0 , 0 ] ]
>
>> numOfLevel = CEIL(!D.TABLE_SIZE/6.)
>> level = INDGEN(!D.TABLE_SIZE)/numOfLevel
>
>> newRed = colorLevels[0, Nivel]
```

```

>> newGreen = colorLevels[1, Nivel]
>> newBlue = colorLevels[2, Nivel]
>
>> TVLCT, newRed, newGreen, newBlue
>
>> x = 900
>> y = 600
>
>> ;;Visualize result image
>> image = CONGRID(image, x, y)
>
>> WINDOW, 0, xSize = x, ySize = y
>
>> TVSCL, image, /order
>
>> .....
>
>> This first part works fine. The problem is below, when I try to write
>> the result image
>
>> .....
>> ;;;using write_tif
>> .....
>> ;____TIF
>> newRed = reform(newRed)
>> newGreen = reform(newGreen)
>> newBlue = reform(newBlue)
>
>> Write_tiff, 'C:\IDL\tests\mytif.tif', image, $
>>     RED=newred, GREEN=newgreen, BLUE=newblue
>> .....
>> ;;;I've also tried using write_Jpeg
>> .....
>> ;____JPEG
>> array = bytarr(3,x,y)
>> array[0,*,*] = newred[image]
>> array[1,*,*] = newgreen[image]
>> array[2,*,*] = newblue[image]
>
>> Write_jpeg, 'C:\IDL\tests\myimage.jpg',array, TRUE = 1
>
>> .....
>
>> Does anyone have any idea whats wrong? I'm sure its very easy problem
>> to treat, but I'm stuck on this problem for 1 week.
>
>> Thank you
>> Aleksander

```

>
> So what is "the problem"? What goes wrong?

I forgot to say that I can't visualize my image after I write it to
disk using write_tiff or write_jpeg.
Sorry.
