Subject: Re: Is it possible to rotate a flipped image with cgImage?
Posted by atmospheric physics on Wed, 25 Jun 2014 13:14:47 GMT
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Hello Matthew,

Thanks for the example. If I see the images of im and (flipIm or rotflipIm), then there the rose color is changed to blue. I don't want to change the colors from my original image. I wanted to have my original image with all colors as they are and then only apply this flipping and rotation.

Without using interpolation, can't I retain my image as it is and enclose in the available space? I mean if the original image is a square type, the final rotflipIm can be rhombus type. Is this not possible? In order to fill the missing pixels of the im images, can't we use missing color as white?

Look's the image rotation is distorting the original image completely.

Thanks in advance,
Madhavan

On Wednesday, June 25, 2014 2:45:02 PM UTC+2, Matthew Argall wrote:
>> I get an error like this ...
>
>>
>
>> % POLY_2D: Expression must be an array in this context: I.
>
>
>
> The documentation says, "The image array to be rotated. This array can be of any type, but must have two dimensions."
>
>
>
> You can try separating the color channels and rotating them individually (below). Or you could try to convert the rgb values to color table indices.
>
>
>
> IDL> im = cgdemodata(16)
>
> IDL> help, im
>
> IM BYTE = Array[3, 227, 149]
>
> IDL> r = reform(flipIm[0,*,*])
>

> IDL> g = reform(flipIm[1,*,*])
>
> IDL> b = reform(flipIm[2,*,*])
>
> IDL> rrot = rot(r, 60, 0.8, /INTERP)
>
> IDL> brot = rot(b, 60, 0.8, /INTERP)
>
> IDL> grot = rot(g, 60, 0.8, /INTERP)
>
> IDL> rotflipIm = transpose([[[rrot]], [[grot]], [[brot]]], [2, 0, 1])
>
> IDL> help, rotflipim
>
> ROTFLIPIM BYTE = Array[3, 227, 149]
>
> IDL> cgimage, rotflipim
