
Subject: Re: Is it possible to rotate a flipped image with cgImage?

Posted by [Matthew Argall](#) on Wed, 25 Jun 2014 12:45:02 GMT

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> 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
```
