
Subject: Re: help with cgDrawVectors in write_gif procedure

Posted by [g.nacarts](#) on Wed, 03 Jun 2015 15:39:14 GMT

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> "OPENW: Filename argument must be a scalar string: FILE."
> you should check if your variable file is a string or a scalar.

I used
help, file
to check whether is a string or a scalar and I got the following

```
FILE          UNDEFINED = <Undefined>  
OPENW: Filename argument must be a scalar string: FILE.
```

I will share my code because maybe I did a mistake somewhere else and I am not able to find it. I have the following procedure. (Image,VX,VY are 3D arrays.)

PRO vectors_overlaid, Image, VX, VY, name

dims_i_need = Size(Dindgen(20,20), /Dimensions)

```
pos_x = Rebin(Findgen(dims_i_need[0]), dims_i_need[0], dims_i_need[1])  
pos_y = Rebin(Reform(Findgen(dims_i_need[1]), 1, dims_i_need[1]), dims_i_need[0],  
dims_i_need[1])
```

```
for i=0L, n-1 do begin  
  cgDisplay, 500, 550  
  Image = BYTSCL(Image, min=0.,max=160.)  
  cgimage,Reform(Image[i,*,*])  
  cgDrawVectors, REFORM(VX[i,*,*]), REFORM(VY[i,*,*]), pos_x, pos_y,VECCOLORS='yellow',  
/ORDERED, overplot = 1  
  write_gif,file, Reform(Image[i,*,*]), /multiple  
endfor
```

```
write_gif, file, /close  
END
```

Then I called the vectors_overlaid in my main program like this

```
vectors_overlaid, Image, VX,VY, 'C:\Users\Desktop\Vectors('+string(i,format='(i3.3)')+','+string(level)+','+strtrim(iter)+')'.gif'
```

Why the file is undefined?
