Hi,
I need to perfect a working algorithm to make it more accurate. I have
an image that consists of many spots. I need to find where the center
of each spot is. This is the algorithm I am using:

```
ncol=image_size[0]
regions = label_region(SpotsMask, /All_NEIGHBORS)
n_spots=max(regions)
print,"There are",n_spots," spots on image"
 window,4,xsize=image_size[0],ysize=image_size[1], title="Positions of
Spots on Image"
 tvscl,final_image

temp=0
spotscoord = make_array(2,n_spots)

  for j = 1, n_spots DO BEGIN
    ind = where(regions eq j, count)
    spotscoord[0,temp]=(mean(ind) mod nCol)
    spotscoord[1,temp]=(mean(ind) / nCol)
    temp=temp+1
    endfor
```

This leaves me with my spotscoord array with x,y coordinates. However,
I need to find the center of each spot with some weighted
average...i.e. if the cluster of pixels (for one spot) is more bright
on one side, then the center will be skewed there...is there a way for
me to do that?

Thanks,
RP