Subject: Re: plot
Posted by rogass on Tue, 01 Dec 2009 07:56:59 GMT
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On 5 Nov., 12:35, greg <greg.a...@googlemail.com> wrote:
>> I still think that the problem as stated
>> is ill-posed.
>
> I agree. If you take away the convex condition (as the OP seems to
> ask), then whatever the set of points you can keep reducing the
> surrounding area until you get to zero. You'll get some kind of
> spidery thing, but it's probably not what he had in mind.
>
> Greg

Dear Bing,
like many times the routines from David Fanning will help. So the
following approach solved my own "concavity problem". Here it is -
hope it helps:

```
function get_mult_inds_from_mask,mask,verbose=verbose
;lines must be 255b, background must be 0b)
; denies dfanning's find_boundary

mask= bytscl(mask)
sz = size(mask,/dimensions)
l = label_region(mask)
h = histogram(l)
n = n_elements(h)
rois=replicate(ptr_new(),n-1)
if keyword_set(verbose) then window,/free,xsize=sz[0],ysize=sz[1]
for i=1,n-1 do begin
 r=find_boundary(where(l eq i),xsize=sz[0],ysize=sz[1])
 rois[i-1] = ptr_new(lonarr(2,n_elements(r)/2)+1)
 *(rois[i-1]) = [[r],[r[*,0]]]

 if keyword_set(verbose) then plots, r[0,*],r[1,*],color=255/i
 endfor
return,rois
end
```

Regards

CR

p.s.: My personal favourite is Davids selectimage - it's superb and
I'm hoping that he will extend this routine to open ENVI files (also
spectra)....