
Subject: Re: spots on image

Posted by [Brian Larsen](#) on Thu, 25 Jan 2007 21:22:23 GMT

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I have done a bit of similar work. Just in quick pseudocode

```
dat = fltarr(256,256)
;; fill with an image
;; find one of the pinhole brightnesses using your method
;; call that center[2] [0]->x [1]->y
;; take one of the points and form a sub-array around that larger than
the pinhole, call the pinhole 4 pixels max
sub_arr = dat[center[0]-5:center[0]+5, center[1]-5:center[1]+5] ; make
sure you have grabbed a large enough chunk but small enough not to grab
two pinholes
;; use gauss2dfit on the chunk Result = GAUSS2DFIT( Z, A [, X, Y] [,
/NEGATIVE] [, /TILT] )
res = gauss2dfit(sub_arr, a)
;; then get rid off all the indices in subarr from the indices you
found in your original where statement with another where
```

Poof done. Of course it will be more work as you iron out the details
but that should get you started.

Make and sense?

Brian

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On Jan 25, 2:03 pm, "rpert...@gmail.com" <rpert...@gmail.com> wrote:

```
> Hello,
> I am new to IDL so bear with me! I am analyzing an image with some
> spots on them (from a few pinholes). I need to know where these spots
> are and mark them and make a Gaussian fit. I have used the where
> function to find where the spots are and have obtained the pixels where
> the intensity is higher than a threshold. However, the spots are made
> up of more than 1 pixel, therefore i need to group these pixels
> together to make up one spot, and then fit a Gaussian...
>
> Any ideas how to do that?
```

>
> Thanks!
>
> RP
