
Subject: Re: mpfit2dpeak and fitting an ellipse
Posted by [Vince Hradil](#) on Sat, 31 May 2008 16:29:17 GMT
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On May 30, 2:09 pm, Kevin.Pall...@gmail.com wrote:

> Hello,
>
> I have a quick question regarding fitting routines. I will describe
> the problem first.
> I have an image with X,Y coordinates and I try to find an overdensity
> of points
> by smoothing out the image. I used mpfit2dpeak to fit the N number of
> points
> and I was able to find the center xcen and ycen that way. But the
> mpfit2dpeak
> assumes either a Gaussian,Lorentzian or Moffat function. The shape
> that I am
> looking for in the image is an ellipse so I was looking if there is an
> available
> program that fits a 2 dimensional ellipse but I could not find one.
> Does anyone have any suggestions on how to handle this?
>
> Thank you,
> Kevin Pallati

mpfit2dpeak will fit a gaussian (or the other functions) in 2d with separate widths and a tilt - so it is an ellipsoid. Are the intensities gaussian (or the other functions)? I'm guessing, "probably". So don't the other parameters get what you want?
