
Subject: mpfit2dpeak and fitting an ellipse
Posted by [Kevin.Pallati](#) on Fri, 30 May 2008 19:09:04 GMT
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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
