
Subject: Problem with Parinfo on Craig B. Markwardt's MPFITPEAK

Posted by [Tito](#) on Wed, 27 Jun 2012 12:52:20 GMT

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I am trying to fit Gaussians/Lorentzians with mpfitpeak on which I know the center, the amplitude and the Background offset and I want those 3 to be fixed and I am searching only the Sigma width. I tried this:

```
parinfo = replicate({value:0.0d, fixed:0, limited:[0,0], $  
                     limits:[0.0d,0.0d]}, 4)  
parinfo[0].fixed      = 1b  
parinfo[1].fixed      = 1b  
parinfo[2].limited[0] = 1b  
parinfo[2].limits[0]  = 0.005  
parinfo[3].fixed      = 1b  
parinfo[*].value      = [1.0d - stell_dep[i],xaxis[index[i]],0.0005, 0.0]  
  
y_fit2 = mpfitpeak(xaxis[minus2+ind:index[i] + ind2],$  
                     1-spec[minus2+ind:index[i] + ind2],$  
                     p2, parinfo = parinfo)
```

But this just is not working..... As I see it fix the centroid but all the rest of the parameters are not fixed and I am getting terrible fit/fits.

Anybody know what I am doing wrong?

All the best!
Trifon
