
Subject: Problem with Parinfo on Craig Markwardt's MPFITPEAK

Posted by [Tito](#) on Wed, 27 Jun 2012 13:07:50 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]],0.005, 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 center but all the rest of the parameters are not fixed and I have a terrible fit in the end.

Anybody know what I am doing wrong?

All the best!

Trifon
