Subject: Re: constraining parameters in multi-Gaussian 1D fitting
Posted by JD Smith on Tue, 06 Sep 2005 00:33:31 GMT
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On Mon, 05 Sep 2005 12:07:42 -0500, Craig Markwardt wrote:

>
> "Jess" <jobrien@mso.anu.edu.au> writes:
>> One constraint I am unable yet to do is: I = would like to be able to
>> tie the peak flux of the Gaussians such that the peak flux of last
>> Gaussian is always greater than that of the first Gaussian.
>> I tried using
>> parinfo((n_gauss-1)*3).tied = 'GT P[0]'
>>
>> However the tied structure of parinfo doesn't seem to be meant to
>> accept operators like GT,LT, etc. ...
>
> True. MPFIT's TIED fields are limited to equality constraints only.

What if you availed yourself of the ITERPROC procedure to enforce the constraint, dragging the fitter (kicking and screaming if necessary) back into line if it attempts to step out? Any reason this wouldn't work?

JD