Subject: Re: poly_fit - yband
Posted by Craig Markwardt on Mon, 10 Mar 2014 14:33:10 GMT
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On Saturday, March 8, 2014 7:43:00 AM UTC-5, sid wrote:
> Hello everyone,
>
>   I have x 80 integer values and y 80 values.
>
> I did,
>
> p=poly_fit(x,y,7,yband=e,yfit=y1)
>
>
>
> now I need y values at every 0.33 intervals so, now I have x with 238 values with 0.33 resolution earlier case the resolution was 1.
>
> Now for this 238 x values I have found 238 y values using the polynomial coefficients.
>
> But now the problem is how to find the error values, since I have yband = e (80 values). But I need to find the error values for all the 238 values.

If you decide to switch to the MPFIT family of functions, there is a routine MPPROPERR which can propagate errors of parameters to errors your model function. The included documentation describes what needs to be done.

Craig
http://www.physics.wisc.edu/~craigm/idl/fitting.html