Subject: Re: meanclip
Posted by wlandsman on Sat, 08 Dec 2012 22:32:44 GMT
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One problem with using meanclip.pro for your example, is that it determines outliers by comparing with the mean of *all* the data. But your data presumably has real trends, (which you are trying to determine with poly_fit).

Better would be to use "robust" polynomial fitting, in which outliers are determined by their deviation from a polynomial fit. This what the program robust_poly_fit.pro does.

http://idlastro.gsfc.nasa.gov/ftp/pro/robust/robust_poly_fit .pro

--Wayne

On Saturday, December 8, 2012 3:32:57 PM UTC-5, Charlie Paul D'auria wrote:

>
> The array contains data relating to the flux versus time of an astronomical event. The data shows strange characteristics such as dips, which I am hoping to remove by a method other that just 'cutting' them out by eye. I was hoping to use a program that discards data that is outside an allowed limit from the previous data point.
>
>
>
> I have used poly fit to fit a trend line to see if the data fits a certain gradient.
>
>
>
> Anyway, i'll give what i've got a go.
>
>
>
> Charlie