
Subject: Re: Notes on CURVEFIT.PRO

Posted by [landsman](#) on Tue, 06 Oct 1992 16:42:00 GMT

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In article <5OCT199223161224@stars.gsfc.nasa.gov>, landsman@stars.gsfc.nasa.gov (Wayne Landsman (301)-286-3625) writes...

>
> The version of CURVEFIT.PRO in the IDL User's library in V2.3.2 (and
> presumably in earlier versions) contains a typo in line 133
>
>
> FLAMBDA = FLAMBDA/100. ;DECREASE FLAMBDA BY FACTOR OF 10
>
> According to the versions of this procedure in both Bevington and "Numerical
> Recipes" the comment (and not the code) is correct, i.e. the denominator should
> be 10. and not 100.

Oops, I was mistaken -- the code is correct. In the IDL implementation, the fit is assumed to get worse so FLAMBDA is multiplied by 10 on every iteration. When chi square does decrease one then needs to divide by 100.

Sorry about the fire drill, and thanks to Mark Elliott for pointing out my error.

-Wayne Landsman

landsman@stars.gsfc.nasa.gov
