
Subject: Re: How to do least squares with IDL?

Posted by [James Kuyper](#) on Mon, 07 Oct 2002 14:23:19 GMT

[View Forum Message](#) <> [Reply to Message](#)

Weimin Wang wrote:

>

> Dear Sir,

>

> Is there any linear least squares pro and minimizing absolute deviation

> pro in IDL? I search it in Reference manual, But get nothing.

Go into the online manual, select Index, then type in "least squares".

You'll find four different routines listed. The first two are for non-linear least squares fitting, the third is specifically for polynomial fitting, but the fourth (SVD_FIT) is intended for general use linear least-squares fitting.

I couldn't find anything for minimizing the absolute deviation. I'm not familiar with any algorithms for doing that. Do you have any references describing how it can be done?
