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Subject: Re: Poly\_Fit

Posted by [wlandsman](#) on Tue, 06 Aug 2013 21:42:16 GMT

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The output keywords to POLY\_FIT can be useful

```
IDL> result = POLY_FIT(lamk, speck, 4, STATUS=STATUS, YFIT=yfit)
```

The value of status will tell you if there were any problems encountered during the fit.

You can use the yfit vector to see if the fit makes sense

```
IDL> plot,lamk,speck
```

```
IDL> oplot, lamk, yfit
```

As noted in the documentation to the STATUS keyword, fitting problems -- especially if they only occur when fitting high orders -- can often be solved by doing everything in double precision.

--Wayne

On Tuesday, August 6, 2013 3:07:29 PM UTC-4, dta...@gmail.com wrote:

> I'm having a problem using poly\_Fit in IDL. It doesn't generate the same coefficients as excel especially for orders > 3? Does anyone know?

>

>

>

> result = POLY\_FIT(lamk, speck ,4)

>

>

>

> Thanks,

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