Subject: Re: POLY_FIT 5.0: inaccurate results. use 4.0 if possible. Posted by pit on Mon, 30 Mar 1998 08:00:00 GMT

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In article <MPG.f859b08896d2aad989765@news.frii.com>, davidf@dfanning.com (David Fanning) writes:

- > I submitted this problem to the RSI technical support staff
- > to see what they knew about it. Here is their response.
- > This is one of those "nice things to do" that cause confusion
- > because the change is not communicated carefully enough. I'm
- > not sure how to solve this "upgrade" problem, but I do know
- > it causes grief from time to time.

> ********

- > To obtain similar results for the POLY_FIT procedure from IDL 4.0.1 to
- > IDL 5.0, please set (/DOUBLE) the DOUBLE keyword when using POLY_FIT in
- > IDL 5.0.� For most of IDL 4.0.1 numerical analysis routines, the
- > internal computations are performed on double precision variables.
- > However, because of timing feature requests, these routines were changed
- > to perform single precision computations. i; ½ Fortunately, the DOUBLE
- > keyword was added to these routines to force double precision
- > computations.� Thus, to force IDL 5.0's POLY_FIT to perform like IDL
- > 4.0.1's POLY_FIT, please use this DOUBLE keyword.i; ½ Sorry for any
- > inconvenience this change may have caused.
- ********

So, why don't they use a keyword /SINGLE and stay backward compatible? This is bad style, IHMO.

Peter	
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