
Subject: Re: Help : I cannot poly_fit to 9 degree!!!
Posted by [medimage](#) on Thu, 30 Apr 1998 07:00:00 GMT
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4P:

There should be no relation to the system memory or operating system.
Otherwise it will be a hell.

Actually the problem you mentioned is a bug of IDL, IMHO, and has not been corrected in IDL5.0. The fitting procedures in IDL stops when it meets the following calculations:

0*x=1

That means you didn't have that problem when fit until to 8th degree, but came out when you went to 9 degreee and thereafter.

Think about it easier way, you want to fit
x=[0,0] and y=[0,2]
IDL can only fit to 0th degree, and gives y=1
If you want to fit to 1 degree, IDL crashes!

Good luck

BTW, 4P, I haven't seen you often in ACT for a while. Are you going to graduate soon from Chicago?

In article <6i9jat\$jsa\$3@gwdu19.gwdg.de>,
pit@uni-sw.gwdg.de wrote:

>
> In article <35483EFD.4747@midway.uchicago.edu>,
> Pao-hung Lin <plin21@midway.uchicago.edu> writes:
>> Guys, I need help in my research.
>>
>> I need to fit a x-y curve(200 points each)
>> in polymonial to 9 degree or even 10 degree.
>> However, my IDL 4.01 on win 95 only allow me to fit
>> to 8 degree or less(just one degree less , isn't that great?)
>> 9 degree or higher will cause the program to crash and jump out.
>
> Is this on *every* fit you try with degree>8, or just with your
> (typical?) data? I just tried a poly_fit(x,y,12) here (IDL 4.01 on
> Linux P133/64MB) and it does work.
>

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