Subject: Re: Piecewise curve fitting in idl
Posted by jschwab@gmail.com on Mon, 04 Aug 2008 08:54:36 GMT
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On Aug 4, 6:46 am, d.po...@gmail.com wrote:
> On Aug 4, 6:58 am, Craig Markwardt
>
>
>
> <craigm...@REMOVEcow.physics.wisc.edu> wrote:
>> d.po...@gmail.com writes:
>>> On Jul 31, 1:21 pm, Wox <nom...@hotmail.com> wrote:
>>>> On Thu, 31 Jul 2008 03:30:22 -0700 (PDT), d.po...@gmail.com wrote:
>>>> >Folks
>>>> >How we can do the piecewise curve fitting in idl. Say we have an array
>>>> >that this array has got 2 or 3 trends in data and we want to fit a
>>>> >liner curve for each trends. In MATLAB curve fitting tool, we can
>>>> >easily exclude or include a part of data and then fit a curve. How we
>>>> >can do this in IDL
>>>> >Cheers
>>>> >Dave
>
>>>> Euhm, just do the fitting on the different parts? Or do you mean
>>>> fitting with a piecewise polynomial (i.e. spline: see e.g. IMSL_BSLSQ
>>>> or IMSL_CONLSQ)
>
>>> just doing the fitting on the difrent part. how we can select this
>>> parts and how we can fit a curve to these parts separatly?
>
>> I realize I'm coming into this discussion late. However, the IDL
>> Astronomy library has a nice procedure LINTERP which would be very
>> useful for an application like this. It would still need to be
>> interfaced to a fitting function. It would allow you to fit the
>> tabulated Y values, and in principle even the tabulated-X positions,
>> although I would NOT advise that.
>
>> For a graphical interface, IDL is probably not the best application
>> unless you want to write the whole program yourself.
>
>> Craig
>
>> --
>> --- --------------
>> Craig B. Markwardt, Ph.D. EMAIL: craigm...@REMOVEcow.physics.wisc.edu
>> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
>> --- --------------
>
> could you please send me the Astronomy library link for this.

> Cheers

Would it really be all that difficult to Google ``LINTERP'' and ``IDL Astronomy Library'' ?

http://idlastro.gsfc.nasa.gov/ftp/pro/math/linterp.pro

Josiah
