Subject: Re: Piecewise curve fitting in idl
Posted by d.poreh on Mon, 04 Aug 2008 10:01:04 GMT
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On Aug 4, 10:54 am, "jsch...@gmail.com" <jsch...@gmail.com> wrote:
> 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

thanks!! sorry i am new in idl.
Cheers
