Subject: Re: Piecewise curve fitting in idl
Posted by d.poreh on Mon, 04 Aug 2008 05:46:25 GMT
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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