
Subject: Piecewise curve fitting in idl

Posted by [d.poreh](#) on Thu, 31 Jul 2008 10:30:22 GMT

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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

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:

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>>> fitting with a piecewise polynomial (i.e. spline: see e.g. IMSL_BSLSQ

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> 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.

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> For a graphical interface, IDL is probably not the best application

> unless you want to write the whole program yourself.

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> Craig
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> -----
> 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

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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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

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:
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> Josiah

thanks!! sorry i am new in idl.
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