
Subject: Create smooth lines in IDL

Posted by chenbo09@gmail.com on Sun, 22 Nov 2009 19:39:04 GMT

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Hello everyone,

Does anyone have a routine in IDL to create smooth line using given vertexes?

Have a nice weekend!

Bo

Subject: Re: Create smooth lines in IDL

Posted by ben.bighair on Mon, 23 Nov 2009 01:36:07 GMT

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On Nov 22, 2:39 pm, "chenb...@gmail.com" <chenb...@gmail.com> wrote:

> Hello everyone,

>

> Does anyone have a routine in IDL to create smooth line using given
> vertexes?

>

> Have a nice weekend!

>

> Bo

Hi,

Take a peek at the built-in SPLINE function.

You can see an example (copied below) in the docs, but adding plot seals the deal.

```
X = [2.,3.,4.]
```

```
Y = (X-3)^2
```

```
T = FINDGEN(20)/10.+2
```

```
Z = SPLINE(X,Y,T)
```

```
PLOT, X,Y
```

```
PLOTS, T,Z, PSYM = -6
```

Cheers,

Ben

Subject: Re: Create smooth lines in IDL

Posted by KRDean on Mon, 23 Nov 2009 15:23:35 GMT

On Nov 22, 12:39 pm, "chenb...@gmail.com" <chenb...@gmail.com> wrote:

> Hello everyone,
>
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> vertexes?
>
> Have a nice weekend!
>
> Bo

Search the ITTVIS Code Contribution Library for POLY_SIMPLIFY by Brad Gom. This function simplifies the vertices of an n-dimensional polyline.

Kelly Dean
Fort Collins, CO

Subject: Re: Create smooth lines in IDL

Posted by chenbo09@gmail.com on Tue, 24 Nov 2009 19:32:34 GMT

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On Nov 23, 9:23 am, kBob <krd...@gmail.com> wrote:

> On Nov 22, 12:39 pm, "chenb...@gmail.com" <chenb...@gmail.com> wrote:
>
>> Hello everyone,
>
>> Does anyone have a routine in IDL to create smooth line using given
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>
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> Gom. This function simplifies the vertices of an n-dimensional
> polyline.
>
> Kelly Dean
> Fort Collins, CO

Thank you guys, I found the routine. Have a nice holiday!
