
Subject: cubic spline fitting

Posted by iansmith@bigpond.net on Fri, 14 Nov 2014 02:18:33 GMT

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I am trying to use the IDL routines

spl_init and spl_interp

to do a cubic spline fit to variables that are vectors with 45 elements.

ie y is not a function of x.

I am getting 2 compilation errors where it seems to be objecting to using a vector for y instead of y being a function of x.

```
IDL> .compile -v 'C:\lan_Plots\complines 27102014 FYZ Clumps SiO 2-1 and 5-4 Peak Tbs
dV30.pro'
```

```
% Compiled module: LOAD_MOLDATA.
```

```
spl_init,(x_nH_5,y_Tb13N_5,double)
      ^
```

```
% Syntax error.
```

```
At: C:\lan_Plots\complines 27102014 FYZ Clumps SiO 2-1 and 5-4 Peak Tbs dV30.pro, Line
476
```

```
spl_interp,(x_nH_5,y_Tb13N_5,x2_nH_5,y2_13N_5,double)
      ^
```

```
% Syntax error.
```

```
At: C:\lan_Plots\complines 27102014 FYZ Clumps SiO 2-1 and 5-4 Peak Tbs dV30.pro, Line
481
```

```
% 2 Compilation error(s) in module $MAIN$.
```

Is my diagnosis correct?

Is there a way around this problem ?

I would appreciate some help.

Regards

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