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Subject: cubic spline fitting

Posted by [iansmith@bigpond.net](mailto: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:\Ian_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:\Ian\_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:\Ian\_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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