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Subject: Beginner: Oplot line  $t^{(-5/3)}$

Posted by [Charlie Paul D'auria](#) on Mon, 12 Nov 2012 16:20:31 GMT

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Hi there!

Please bear in mind that I am a complete IDL beginner so excuse any foolishness!

I have managed to plot an XY graph with data plots.

My problem lies with my next stage: I need to generate a line of gradient  $t^{(-5/3)}$  (then use oplot over my data).

I get the error 'Attempt to subscript T with I is out of range.' and when I type print,line I only get one value for my line...

Here is some code I was provided with as a guide, which I have modified slightly:

```
line=dblarr(9999)
```

```
n=1E-4
```

```
t=dblarr(9999)
```

```
for i=0,9999 do begin
```

```
  t(i)=i
```

```
  line=n*t(i)^(-5./3.)
```

```
endfor
```

I have used 9999 as  $1E+5$  was apparently too large, or something..

Any help would be much appreciated!!

Charlie

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