Subject: Re: Plotting functions in IDL
Posted by korpela on Thu, 18 Jan 1996 08:00:00 GMT
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In article <4dgftr$1qr5@rs18.hrz.th-darmstadt.de>,
Thomas Kunstmann <kunstman@pu.informatik.th-darmstadt.de> wrote:
> What is the best way of plotting a function in IDL? As far as I know,
> it only handles vectors of discrete data and no equations.

First set up a range and then plot the function over the range.
The way I do it is, for example....

```
IDL> x=range(-3.*!pi,3.*!pi,0.01)
% Compiled module: RANGE.
IDL> plot,x,sin(x*x)
```

I have a function called range that looks like this.....

```
 ------------------------------------------------------------ ------------
Function range,lo,hi,delta

if (n_params(0) lt 2) or (n_params(0) gt 3) then begin
        print,'RANGE-- Incorrect number of parameters'
        return,-9999.0
endif
if (n_params(0) eq 2) then delta=1.0
number=long((float(hi)-float(lo))/float(delta))
outrange=float(lo)+findgen(number)*float(delta)
return,[outrange,hi]
end
 ------------------------------------------------------------ ------------
```

Eric

--
Eric Korpela | An object at rest can never be
korpela@ssl.berkeley.edu | stopped.

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