Subject: Re: For..Do loop. IDL Beginner
Posted by Markus Schmassmann on Tue, 18 Oct 2016 10:50:33 GMT
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On 10/18/2016 11:39 AM, Nikola Vitas wrote:
> On Tuesday, October 18, 2016 at 12:46:43 AM UTC+1, Cheryl wrote:
>> I am trying to plot the following using For.. Do loop.
>>
>> i. x, y2 ; psym = -4
>> ii. x, y3 ; psym = -5
>> iii. x, y4; psym = -6
> From your question is not very clear what you want to do and why. I
> guess your problem is that y's are different functions with different
> number of elements so that you have to deal with different variable
> names in a loop.
>
> Here is a quick solution that may help you to move forward. (Note
> that the EXECUTE command should be used with extra caution - read IDL
> help on it!.)
>
> syms = [-4, -5, -6]
> for i = 0, N_ELEMENTS(syms)-1 DO BEGIN
> IF i eq 0 THEN cmd = 'plot' ELSE cmd = 'oplot'
> log = EXECUTE(cmd + ', x, y'+strcompress(string(i), /rem)+', psym = syms[i]')
> ENDFOR
easiest is

```
g=plot(x, y2, psym = -4)
void=plot(x, y3, psym = -5, overplot=g)
void=plot(x, y4, psym = -6, overplot=g)
```

if it needs to be a loop, eighter use EXECUTE, or

```
p=ptrarr(3)
*p[0]=y2
*p[1]=y3
*p[2]=y4
g=!null
for i=0,2 do g=plot(x,*p[i],psym=-3-i,overplot=g)
```

You probably could use a LIST or another data type as well instead of
pointers, if you prefer.