
Subject: Re: plot function and legend in a for loop
Posted by [Alain Kattnig](#) on Fri, 04 Sep 2015 12:39:30 GMT
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Le vendredi 4 septembre 2015 14:25:37 UTC+2, andrea...@gmx.de a écrit :

> Dear all,
>
> I'm trying to create an indefinite number of lines in one plot. Additionally the goal is to
additionally get a legend.
>
> I was trying to do this somehow like this:
>
> p=plot(spec(0), name=names(0))
>
> for i=1,n_elements(spec-1) do p1=plot(spec(i), name=names(i), /over)
>
>
> l=legend(target=[p,p1])
>
> doing that, not unsurprisingly, I get only the first and last name in the legend.
>
> Is there a way to mitigate the issue other than adding if statements like
>
> if n_elements(spec) gt 2 then p3=plot
> if n_elements(spec) gt 3 then p4=plot
>
> with this way, no matter how many of these lines I add I would at some day end up with some
plots not being plotted ;-)
>
> thanks a lot and best regards
> Andreas

I use IPLOT which is less open to manipulations but quicker to code

```
IPLOT,spec[0],NAME=name[0],/INSERT_LEGEND  
FOR number=1,Nbr_names DO IPLOT,spec[number],NAME=name[number],/INSERT_LEGEND
```

Best
