

---

Subject: Re: plot function and legend in a for loop  
Posted by [andreas.brunn](#) on Fri, 04 Sep 2015 12:45:04 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Friday, September 4, 2015 at 2:39:32 PM UTC+2, kallisthene wrote:  
> 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

Thanks a lot, I'll give it a try ... never tried the itools,

---