Subject: Re: plot function and legend in a for loop
Posted by andreas.brunn on Fri, 04 Sep 2015 12:45:04 GMT
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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,