Subject: Re: how to find name of top level program
Posted by Douglas G. Dirks on Mon, 14 Jan 2008 18:34:18 GMT
View Forum Message <> Reply to Message

Vince Hradil wrote:
> On Jan 11, 2:04 pm, Enemy of the State <mfquig...@wisc.edu> wrote:
>> Greetings IDL comrades!
>>
>> I suspect this is an overly simple question but I'm stumped.....
>>
>> What I would like to do is to find out the name of the top level IDL
>> procedure so that I can put it via xyouts on the plots it produces:
>>
>> pro junk,xxx
>>
>> ... various other routines and functions called to do one thing or
>> another ...
>>
>> plot, some_vector
>>
>> .... something magical happens here so that I have a variable (eg,
>> program_name)
>>   that tells me the name of the program that produced this plot
>> is "junk"
>>
>> sub_xyouts,.1,.1,' name of program that produced this plot is
>> '+program_name,/normal
>>
>> return
>> end
>>
>> It seems like the help command would do this somehow, but darn if I
>> can figure out how it might be done.
>>
>> Thanks!
>>
>> Mark
>
> Here's what I do:
> help, /recall_commands, output=cmds
> cmdline = strmid(cmds[1],2)

Or, if you have IDL 6.2 or later, the same basic idea in a single line:

topRoutine=(SCOPE_TRACEBACK(/STRUCTURE))[1].Routine

(It's element 1 of the array returned by SCOPE_TRACEBACK because
IDL considers $MAIN$ to be the top of the call stack.)

Doug

Douglas G. Dirks
IDL Documentation Group * ITT Visual Information Solutions
4990 Pearl East Circle * Boulder, CO 80301
ddirks@ittvis.com