
Subject: Re: Function to return the current procedure/function
Posted by [Heinz Stege](#) on Sat, 05 Sep 2009 14:04:40 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sat, 5 Sep 2009 07:05:31 -0600, David Fanning wrote:

```
> maurya writes:
>
>> Is there any function to return the current procedure/function name
>> only not all?
>>
>> There is one function "ROUTINE_INFO" which provide information about
>> all currently-compiled procedures and functions. But, I want to get
>> the name of the procedure/function using a function (say Routine_Name)
>> by calling in the same routine. e.g.
>>
>> Pro test_plot
>>
>>   plot,findgen(200)
>>   ;
>>
>>   print, Routine_Name()
>>
>> end
>>
>> The print function should return 'test_plot'.
>
> ProgramRootDir does this:
>
>   http://www.dfanning.com/programs/programrootdir.pro
>
> Cheers,
>
> David
```

An alternative approach is the SCOPE_TRACEBACK function, which is part of IDL:

```
IDL> info=scope_traceback(/structure)
IDL> n=n_elements(info)
IDL> help,info[n-1],/structure
** Structure IDL_TRACEBACK, 8 tags, length=36, data length=36:
ROUTINE      STRING  'DISPLAY'
FILENAME     STRING  'C:\my_routines\display.pro'
LINE         LONG    99
LEVEL        LONG    1
IS_FUNCTION  BYTE    0
METHOD       BYTE    0
```

```
RESTORED    BYTE    0
SYSTEM      BYTE    0
IDL> print,'Routine name is: '+info[n-1].routine
Routine name is: DISPLAY
```

Heinz
