
Subject: Re: where can I find them

Posted by [Xiaoying Jin](#) on Wed, 08 May 2002 03:34:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

I suppose that 'which' function only works with .pro files.

As Kenneth Mankoff suggested, we can use "IDL> help, /source" to find them.

Regards,

Xiaoying Jin

"Marshall Perrin" <mperrin+news@arkham.berkeley.edu> wrote in message
news:aba18s\$s70\$1@agate.berkeley.edu...

> Xiaoying Jin <xje4e@mizzou.edu> wrote:

>> Hi, there,

>>

>> If I know the name of the function, such as "DILATE", how can I find
where

>> IDL implement it? Is there a command in IDL to find the .pro or .dll
files

>> related to it?

>

> I make frequent use of a procedure called "which" which does just this.

> I forget where I originally got the code from... Ah, OK. A web search

> finds it at

> <http://www.astro.washington.edu/deutsch-bin/getpro/library02.html?WHICH>

>

> Actually, now that I look at that, that's *not* the same thing as the

> "which.pro" that I have. The output is basically the same, but the one

> I have is substantially faster. I've included the text of this below.

> If anyone has any idea where this code originally came from or who

> the author is, please let me know. I hope the unknown "JAV" responsible
for

> this code doesn't mind my posting it here, as it's really an exceptionally

> usefull little bit of software.

>

> - Marshall

>

>

> -----

> pro which,praname

> ;Prints full filenames in IDL !path search order for a particular routine.

> ; praname (input string) procedure name (.pro will be appended) to find

> ;24-Aug-92 JAV Create.

> ;10-Mar-93 JAV Fixed bug; last directory in !path ignored; pad with ': '

>

> if n_params() lt 1 then begin

> print,'syntax: which,praname(.pro assumed)'

```
> retall
> endif
>
> pathlist = ':' + !path + ':' ;build IDL path list
> fcount = 0 ;reset file counter
> il = strlen(pathlist) - 1 ;length of path string
> ib = 0 ;beginning substring index
> ie = strpos(pathlist,':',ib) ;ending substring index
> repeat begin ;true: found path separator
>   path = strmid(pathlist,ib,ie-ib) ;extract path element
>   fullname = path + '/' + proname + '.pro' ;build full filename
>   openr,unit,fullname,error=eno,/get_lun ;try to open file
>   if eno eq 0 then begin ;true: found file
>     fcount = fcount + 1 ;increment file counter
>     if path eq '.' then begin ;true: in current directory
> spawn,'pwd',dot ;get current working directory
> dot = dot(0) ;convert to scalar
> print,fullname + ' (.' = ' + dot + ')' ;print filename + current dir
>   endif else begin ;else: not in current directory
> print,fullname ;print full name
>   endelse
>   free_lun,unit ;close file
>   endif
>   ib = ie + 1 ;point beyond separator
>   ie = strpos(pathlist,':',ib) ;ending substring index
>   if ie eq -1 then ie = il ;point at end of path string
>   endrep until ie eq il ;until end of path reached
>   if fcount eq 0 then begin ;true: routine not found
>     print,'which: ' + proname + '.pro not found on IDL !path.'
>   endif
> end
```
