
Subject: Re: where can I find them
Posted by [R.Bauer](#) on Wed, 08 May 2002 09:41:38 GMT
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Marshall Perrin wrote:

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>
> 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
```

in idl 5.5 there is a file_which implemented

Reimar

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>
> 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,prname
> ;Prints full filenames in IDL !path search order for a particular routine.
> ; prname (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,prname(.pro assumed)'
>   retail
> endif
>
> pathlist = '.: ' + !path + ': ' ;build IDL path list
> fcount = 0 ;reset file counter
> il = strlen(pathlist) - 1 ;length of path string
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> ib = 0 ;beginning substring index
> ie = strpos(pathlist,':',ib) ;ending substring index
> repeat begin ;true: found path separator
>   path = strstr(pathlist,ib,ie-ib) ;extract path element
>   fullname = path + '/' + prname + '.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: ' + prname + '.pro not found on IDL !path.'
> endif
> end

```

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 a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml
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