
Subject: Re: findfile

Posted by [Martin Schultz](#) on Fri, 28 May 1999 07:00:00 GMT

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R.Bauer wrote:

>
> Hi,
>
> I got in trouble by findfile on a unix system
>
> while Windows IDL returns by findfile('C:*.*') all files
> unix (aix) IDL did not give a result if more than 3500 files in a
> directory.
> findfile('/tmp/*.*') is "
>
> If I use findfile('/tmp') I got all files.
>
> Unfortunately I have momentanly on the unix only idl5.1
>
> What is idl5.2 doing ?
>
> R.Bauer

Hallo Reimar,

we had similar (perhaps more erratic) problems with findfile on our SGI. You could try my mfindfile program which uses findfile on all platforms except unix. On unix, it spawns an ls command. Haven't had any missing files since...

Viele Gruesse,
Martin.

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|||||||||||\-----//||||||| //|||||||
Martin Schultz, DEAS, Harvard University, 29 Oxford St., Pierce 109,
Cambridge, MA 02138 phone (617) 496 8318 fax (617) 495 4551
e-mail mgs@io.harvard.edu web <http://www-as/people/staff/mgs/>
; \$Id: mfindfile.pro,v 1.10 1999/01/22 20:12:17 mgs Stab \$

:+
; NAME:
; MFINDFILE
;
; PURPOSE:
; find all the files that match a given specification.
; On our system, the IDL findfile function does not

```
; work correctly!!  
;  
; CATEGORY:  
; System routines  
;  
; CALLING SEQUENCE:  
; listing = MFINDFILE(filemask)  
;  
; INPUTS:  
; FILEMASK -> a path and filename specification to look  
; for.  
;  
; KEYWORD PARAMETERS:  
; none  
;  
; OUTPUTS:  
; A string list containing all the files that match the  
; specification.  
;  
; SUBROUTINES:  
;  
; REQUIREMENTS:  
;  
; NOTES:  
; Spawns a unix ls -1 command !  
;  
; EXAMPLE:  
; list = mfindfile('~/mgs/terra/chem1d/code/*.f')  
;  
; ; returns all fortran files in Martin's chem1d directory.  
;  
; MODIFICATION HISTORY:  
; mgs, 14 Sep 1998: VERSION 1.00  
;  
;-  
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; kept with any copy of this software. If this software shall  
; be used commercially or sold as part of a larger package,  
; please contact the author to arrange payment.  
; Bugs and comments should be directed to mgs@io.harvard.edu  
; with subject "IDL routine mfindfile"  
----- --
```

function mfindfile,mask

```
if (!version.os_family eq 'unix') then begin
; make my own findfile

path = extract_path(mask,filename= fname)
path = expand_path(path)
newpath = path+fname

; print,'fname:',fname,' path:',path,' newpath:',newpath

command = 'ls -1'
cstr = command+' '+newpath
spawn,cstr,listing

return,listing

endif else begin ; other OS - use IDL's original

return,findfile(mask)

endelse

end
```

File Attachments

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- 1) [mfindfile.pro](#), downloaded 81 times
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