
Subject: Re: Help: Countlines on Win 95 version of IDL
Posted by [R. Bauer](#) on Wed, 17 Dec 1997 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

PDW wrote:

> I am converting programs from Unix version of IDL to Windows 95, and have a
> problem with routines using SPAWN and "wc -l" to get the number of lines in
> a file in order to dimension an array. How can this be done on the PC
> version?

Hy Paul,

I have included two of my routines.

filesize uses fstat to get the byte size of the file

This is used by fileline to read the file at once in a byte array.

Then the 10b are counted and returned.

This routines works on win95 and unix.

R.Bauer

```
; $Id: filesize.pro,v 1.1997/06/13 13:31:13 RwB ICG-1 $  
;  
; Copyright (c) 1997, Forschungszentrum Juelich GmbH ICG-1  
; All rights reserved.  
; Unauthorized reproduction prohibited.  
;+  
; NAME:  
; filesize  
;  
; PURPOSE:  
; This function finds the bytelength of an ascii file  
;  
; CATEGORY:  
; DATAFILES/FILE  
;  
; CALLING SEQUENCE:  
; Result=filesize(file_name)  
;  
; INPUTS:  
; file_name: the name of an ascii file  
;  
;  
; OUTPUTS:  
; This function returns the number of bytes of an ascii file
```

```

;
;
;
; EXAMPLE:
;   Result=filesize('test.asc')
;
; MODIFICATION HISTORY:
;   Written by: R.Bauer (ICG-1), Oct. 1996
;-

function filesize, filename

;debug,'<filesize> 1.1 RB 1997-Sep-16'

if n_params(0) lt 1 then begin
  help: print, ' Diese Hilfe kommt mit a=filesize().'
  print,''
  print,' stellt fest wieviele Bytes in einer Datei sind.'
  print,""
  print,'Example'
  print,"a=filesize('testfile.asc')"
  print,'-----'
  return,-1
  help_open: print,'(filesize) Das File: ',filename,' gibt es nicht.'
  return,-1
ENDIF

openr, lun, filename, /get_lun,error=err
if err ne 0 then goto, help_open
stats = fstat(lun)
free_lun, lun

return, stats.size
end

;

; $Id: fileline.pro,v 1.1 1997/06/13 13:31:13 RwB ICG-1 $
;
; Copyright (c) 1997, Forschungszentrum Juelich GmbH ICG-1
; All rights reserved.
; Unauthorized reproduction prohibited.
;+
; NAME:
; fileline
;
; PURPOSE:
; This function finds the number of lines of an ascii file

```

```
; ; CATEGORY:  
; DATAFILES/FILE  
;  
;  
; CALLING SEQUENCE:  
;   Result=fileline(file_name)  
;  
; INPUTS:  
; file_name: the name of an ascii file  
;  
;  
; OUTPUTS:  
; This function returns the number of lines of an ascii file  
;  
;  
; EXAMPLE:  
;   Result=fileline('test.asc')  
;  
; MODIFICATION HISTORY:  
; Written by: R.Bauer (ICG-1), Oct. 1996  
;-
```

function fileline, filename

```
;debug,'<fileline> 1.1 RB 1997-Sep-16'  
  
if n_params(0) lt 1 then begin  
  help: print, ' Diese Hilfe kommt mit a=fileline().'  
  print,''  
  print,' stellt fest wieviele Zeilen in einer ASCII Datei sind.'  
  print,"  
  print,'Example'  
  print,"a=fileline('testfile.asc')"  
  print,'-----'  
  return,-1  
  help_open: print,'(fileline) Das File: ',filename,' gibt es nicht.'  
  return,-1  
ENDIF
```

byt=filesize(filename)

if byt eq -1 then goto, help_open

lesefeld=bytarr(byt)

```
openr,lun,filename,/get_lun,error=err  
if err ne 0 then goto, help_open  
readu,lun,lesefeld  
close,lun  
  
free_lun,lun  
line=where(lesefeld eq 10B,count_line)  
  
return,count_line  
END
```

--
R.Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
