
Subject: size of a structure

Posted by [Phil Williams](#) on Mon, 27 Jan 1997 08:00:00 GMT

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A couple of questions for y'all

1) What is the "length" of a structure in the help,/st mean? It's not the "size" which is what I thought it was. i.e.

```
IDL> help,/st,info
```

```
** Structure DATA_INFO, 18 tags, length=124:
```

```
  TYPE      STRING  'GE'
  PATH      STRING
'/w/GEDB/GINX/GENESIS/MRS/710294/03075/005/'
  SIZE      LONG      138976
  OFFSET    LONG      7904
  DATATYPE  STRING  '_16BIT_SGN_INT'
  TE        FLOAT     15.0000
  TR        FLOAT     24.0000
  MATRIX    INT       Array(3)
  FOV       FLOAT     Array(3)
  PXLSZ     FLOAT     Array(3)
  SCANTIME  FLOAT     0.00000
  IMAGETIME FLOAT     56.2200
  NAME      STRING  'xxxxxxxx,xxxxxxx'
  STUDY_NUMBER LONG     3075
  PAT_ID    STRING  '710294'
  AGE       STRING  'x xxxxx'
  SEX       STRING  'female'
  MASS      STRING  '15.8760 kg'
```

```
IDL> openw,1,'test.dat'
```

```
IDL> writeu,1,info
```

```
IDL> close,1
```

```
IDL> openr,1,'test.dat'
```

```
IDL> s = fstat(1)
```

```
IDL> print,s.size
```

```
162
```

2) Is there a way, besides brute force, to determine the size of a structure w/in a procedure?

Thanks for your time,
Phil.

BTW, I've updated some of my routines on my webpage. Please check them out when you get a chance: www.irc.chmcc.org/idl/philsIDL.html

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/*****
Phil Williams, Ph.D.
Research Instructor
Children's Hospital Medical Center "One man gathers what
Imaging Research Center another man spills..."
3333 Burnet Ave. -The Grateful Dead
Cincinnati, OH 45229
email: williams@irc.chmcc.org
URL: http://scuttle.chmcc.org/~williams/
*****/
