NAME

gelf_fsize, **elf32_fsize**, **elf64_fsize** - return the size of a file type

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

#include <libelf.h>

size_t
elf32_fsize(*Elf_Type type*, *size_t count*, *unsigned int version*);

size_t
elf64_fsize(*Elf_Type type*, *size_t count*, *unsigned int version*);

#include <gelf.h>

size_t
gelf_fsize(*Elf *elf*, *Elf_Type type*, *size_t count*, *unsigned int version*);

DESCRIPTION

These functions return the size in bytes of the file representation of *count* numbers of objects of ELF type *type*. For ELF types that are of variable length, these functions return a size of one byte.

Functions **elf32_fsize**() and **elf64_fsize**() return sizes for files of class ELFCLASS32 and ELFCLASS64 respectively. Function **gelf_fsize**() returns the size for the class of ELF descriptor *elf*.

RETURN VALUES

These functions return a non-zero value in case of success, or zero in case of an error.

ERRORS

These functions may fail with:

[ELF_E_ARGUMENT]
> Argument *elf* was NULL in a call to **gelf_fsize**().

[ELF_E_ARGUMENT]
> ELF descriptor *elf* had an unknown ELF class.

[ELF_E_ARGUMENT]

Argument *type* contained an illegal value.

[ELF_E_UNIMPL]   Support for ELF type *type* has not been implemented.

[ELF_E_VERSION]   Argument *version* is not a supported version.

SEE ALSO
  elf(3), gelf(3)