

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)