

nag_modules: Modules Supplied with the NAG Fortran Compiler

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1 Name

nag_modules — Overview of modules supplied with the NAG Fortran compiler.

2 Synopsis

A number of pre-defined modules are provided with the NAG Fortran compiler for use in user programs. These modules are pre-compiled, the pre-compiled module form (‘.mod’ files) being stored in the NAG Fortran compiler library directory (normally `/usr/local/lib/NAG_Fortran`).

Each module is supplied with its own man page containing full usage details.

3 Description

F90_GC

Procedures and variables controlling the garbage collector.

F90_IOSTAT

Parameter definitions for input/output error codes (IOSTAT variables).

F90_KIND

Parameter definitions for kind numbers.

F90_PRECONN_IO

File preconnection control.

F90_STAT

Parameter definitions for ALLOCATE/DEALLOCATE error codes (STAT variables).

F90_UNIX

A selection of Unix system functions. This has been made obsolete by the provision of the `F90_UNIX_*` modules, which comprise a partial API to the functions detailed in ISO/IEC 9945-1:1990 Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) [C Language].

F90_UNIX_DIR

Unix directory operations.

F90_UNIX_DIRENT

Operations for reading Unix directory entries.

F90_UNIX_ENV

Unix environment functions.

F90_UNIX_ERRNO

Unix error codes.

F90_UNIX_IO

Unix I/O functions. Incomplete.

F90_UNIX_FILE

Unix file characteristics.

F90_UNIX_PROC

Unix process primitives.

IEEE_ARITHMETIC

The IEEE arithmetic module from TR 15580.

IEEE_EXCEPTIONS

The IEEE exceptions module from TR 15580.

IEEE_FEATURES

The IEEE features module from TR 15580.

ISO_C_BINDING

The standard C interoperability module.

ISO_FORTRAN_ENV

The standard Fortran environment module.

4 See Also

f90_gc(3), **f90_iostat(3)**, **f90_kind(3)**, **f90_preconn_io(3)**, **f90_stat(3)**, **f90_unix(3)**, **f90_unix_dir(3)**, **f90_unix_dirent(3)**, **f90_unix_env(3)**, **f90_unix_errno(3)**, **f90_unix_file(3)**, **f90_unix_io(3)**, **f90_unix_proc(3)**, **nagfor(1)**, **ieee_arithmetic(3)**, **ieee_exceptions(3)**, **ieee_features(3)**, **iso_c_binding(3)**, **iso_fortran_env(3)**.

5 Bugs

Please report any bugs found to ‘support@nag.co.uk’ or ‘support@nag.com’, along with any suggestions for improvements.