

# G95 Manual

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## **SYNOPSIS**

```
g95 [ -c | -S | -E ] compile & assemble | produce assembly code | list source
      [-g] [-pg]           debug options
      [-Olevel]           Optimisation level
      [-s ]               strip
      [-Wwarn...] [-pedantic] Warning switches
      [-Idir...]          Include directory to search
      [-Ldir...]          Library directory to search
      [-Dmacro[=defn]...] Define macro
      [-Umacro]           Undefine macro
      [-foption...]
      [-mmachine-option...]
      [-o outfile]       name of outfile
      infile...
```

## **G95 Options**

Usage: g95 [options] file...

Options:

```
-pass-exit-codes      Exit with highest error code from a phase
--help               Display this information
--target-help         Display target specific command line options
                     (Use '-v --help' to display command line options
                     of sub-processes)
-dumpspecs           Display all of the built in spec strings
-dumpversion          Display the version of the compiler
-dumpmachine          Display the compiler's target processor
-print-search-dirs    Display the directories in the compiler's search
                     path
-print-libgcc-file-name Display the name of the compiler's companion
                     library
-print-file-name=<lib> Display the full path to library <lib>
-print-prog-name=<prog> Display the full path to compiler component
                     <prog>
-print-multi-directory Display the root directory for versions of
```

	libgcc
-print-multi-lib	Display the mapping between command line options and multiple library search directories
-print-multi-os-directory	Display the relative path to OS libraries
-Wa,<options>	Pass comma-separated <options> on to the assembler
-Wp,<options>	Pass comma-separated <options> on to the preprocessor
-Wl,<options>	Pass comma-separated <options> on to the linker
-Xassembler <arg>	Pass <arg> on to the assembler
-Xpreprocessor <arg>	Pass <arg> on to the preprocessor
-Xlinker <arg>	Pass <arg> on to the linker
-combine	Pass multiple source files to compiler at once
-save-temps	Do not delete intermediate files
-pipe	Use pipes rather than intermediate files
-time	Time the execution of each subprocess
-specs=<file>	Override built-in specs with the contents of <file>
-std=<standard>	Assume that the input sources are for <standard>
-B <directory>	Add <directory> to the compiler's search paths
-b <machine>	Run gcc for target <machine>, if installed
-V <version>	Run gcc version number <version>, if installed
-v	Display the programs invoked by the compiler
-###	Like -v but options quoted and commands not executed
-E	Preprocess only; do not compile, assemble or link
-S	Compile only; do not assemble or link
-c	Compile and assemble, but do not link
-o <file>	Place the output into <file>
-x <language>	Specify the language of the following input files. Permissible languages include: c c++ assembler none- 'none' means revert to the default behavior of guessing the language based on the file's extension

Options starting with -g, -f, -m, -O, -W, or --param are automatically passed on to the various sub-processes invoked by g95. In order to pass other options on to these processes the -W<letter> options must be used.

#### Command line arguments:

Any program compiled with g95 can be executed with these arguments:

--help	Print this list
--resume <corefile>	Resume program execution from a core file

### **Preprocessor Options**

-cpp	Force the input files to be run through the C preprocessor
-no-cpp	Prevent the input files from being C preprocessed
-D<macro=>	Define a preprocessor macro
-U<macro>	Undefine a preprocessor macro
-E	Show preprocessed source only
-M	Write dependencies in Makefile form

## **Options Controlling Fortran Dialect**

-d8	Set the default real and integer kinds to double precision
-i8	Set kinds of integers without kind specifications to double default precision
-r8	Set kinds of reals without kind specifications to double default precision
-fcase-upper	Make all public symbols uppercase
-fbackslash	Interpret backslashes in character constants as escape code. Use -fno-backslash to treat backslashes literally.
-fdollar-ok	Allow dollar signs in entity names
-ffixed-form	Assume that the source file is fixed form
-ffixed-line-length-80	80 character line width in fixed mode
-ffixed-line-length-132	132 character line width in fixed mode
-ffree-form	Assume that the source file is free form
-fimplicit-none	Specify that no implicit typing is allowed, unless overridden by explicit IMPLICIT statements
-fmodule-private	Set default accessibility of module entities to PRIVATE
-fonetrip	Force DO-loops to execute at least once (buggy FORTRAN 66)
-fpack-derived	Try to layout derived types as compact as possible
-fqkind=<n>	Set the kind for a real with the 'q' exponent to 'n'
-fstatic	Put local variables in static memory where possible.
-max-frame-size=<n>	How large a single stack frame will get before arrays are allocated dynamically
-fsloppy-char	Prevent type checks when printing formatted characters variables.
-std=f95	Strict fortran 95 checking
-std=f2003	Strict fortran 2003 checking
-std=F	Check for non-F features and warn

## **Directory Options**

-I<directory>	Append 'directory' to the include and module files search path
-L<directory>	Append 'directory' to the library search path
-fmod=<directory>	Put module files in 'directory'

## **Warning Options**

Warnings are diagnostic messages that report constructions which are not inherently erroneous but which are risky or suggest there might have been an error. You can request many specific warnings with options beginning -W. Each of these specific warning options also has a negative form beginning -Wno- to turn off warnings. This manual lists only one of the two forms, whichever is not the default. These options control the amount and kinds of warnings produced by g95:

-Wall	Enable most warning messages
-Wno=<n1,n2,,>	Disable warnings (comma separated list of warning numbers).
-Wimplicit-none	Same as -fimplicit-none
-Wline-truncation	Warn about truncated source lines
-Wprecision-loss	Warn about precision loss in implicit type conversions

-Wunused-label	Warn when a label is unused
-Wunused-module-vars	Warn about unused module variables. Used to build ONLY clauses.
-Wunused-vars	Warn about unused variables
-Wunset-vars	Warn about unset variables

## **Code Generation Options**

-fbounds-check	Check array bounds at runtime
-fleading-underscore	Add a leading underscore to public names
-funderscoring	Append a trailing underscore in global names (default). Use -fno-underscoring to suppress.
-fsecond-underscore	Append a second trailing underscore in names having an underscore (default). Use -fno-second-underscore to suppress.

## **Environment Variables**

The g95 runtime environment provides many options for tweaking the behaviour of your program once it runs. These are controllable through environment variables. Running a g95-compiled program with the --help option will dump all of these options to standard output.

The values of the various variables are always strings, but the strings can be interpreted as integers or boolean truth values. Only the first character of a boolean is examined and must be 't', 'f', 'y', 'n', '1' or '0' (uppercase OK too). If a value is bad, no error is issued and the default is used.

G95_STDIN_UNIT	Integer	Default: 5	Unit number that will be preconnected to standard input (No preconnection if negative)
G95_STDOUT_UNIT	Integer	Default: 6	Unit number that will be preconnected to standard output (No preconnection if negative)
G95_STDERR_UNIT	Integer	Default: 0	Unit number that will be preconnected to standard error (No preconnection if negative)
G95_USE_STDERR	Boolean	Default: Yes	Sends library output to standard error instead of standard output.
G95_ENDIAN	String	Default: NATIVE	Endian format to use for I/O of unformatted data. Values are BIG, LITTLE or NATIVE. Default is NATIVE
G95_CR	Boolean	Default: Yes	Output carriage returns for formatted sequential records. Default true on windows, false elsewhere.
G95_IGNORE_ENDFILE	Boolean	Default: No	Ignore attempts to read past the ENDFILE record in sequential access mode. Default false.

G95\_TMPDIR String Default: ""  
Directory for scratch files. Overrides the TMP environment variable. If TMP is not set /var/tmp is used.

G95\_UNBUFFERED\_ALL Boolean Default: No  
If TRUE, all output is unbuffered. This will slow down large writes but can be useful for forcing data to be displayed immediately.

G95\_SHOW\_LOCUS Boolean Default: Yes  
If TRUE, print filename and line number where runtime errors happen.

G95\_OPTIONAL\_PLUS Boolean Default: No  
Print optional plus signs in numbers where permitted. Default FALSE.

G95\_DEFAULT\_RECL Integer Default: 500000000  
Default maximum record length for sequential files. Most useful for adjusting line length of preconnected units. Default 500000000

G95\_LIST\_SEPARATOR String Default: " "  
Separator to use when writing list output. May contain any number of spaces and at most one comma. Default is a single space.

G95\_EXPAND\_UNPRINTABLE Boolean Default: No  
For formatted output, print otherwise unprintable characters with \-sequences Default FALSE

G95\_QUIET Boolean Default: No  
Suppress bell characters (\a) in formatted output. Default FALSE.

G95\_SYSTEM\_CLOCK Integer Default: 100000  
Number of ticks per second reported by the SYSTEM\_CLOCK() intrinsic in microseconds. Zero disables the clock.

G95\_SEED\_RNG Boolean Default: No  
If true, seeds the random number generator with a new seed when the program is run. Default FALSE.

G95\_MINUS\_ZERO Boolean Default: Yes  
If true, allows minus zeros to be printed correctly, contrary to the standard. Default TRUE.

G95\_MEM\_INIT String Default  
How to initialize ALLOCATED memory. Default value is NONE for no initialization (faster), NAN for a Not-a-Number with the mantissa 0x40f95 or a custom hexadecimal value

G95\_MEM\_SEGMENTS Integer Default: 25  
Maximum number of still-allocated memory segments to display when program ends. 0 means show none, less than 0 means show all. Default 25

G95\_MEM\_MAXALLOC Boolean Default: No  
If true, shows the maximum number of bytes allocated in user memory during the program run.

G95\_MEM\_MXFAST Integer Default: 64  
Maximum request size for handing requests in from fastbins. Fastbins are quicker but fragment more easily. Default 64 bytes

G95\_MEM\_TRIM\_THRESHOLD Integer Default: 262144  
Amount of top-most memory to keep around until it is returned to the system. -1 prevents returning memory to the system. Useful in long-lived programs.

G95\_MEM\_TOP\_PAD Integer Default: 0  
Extra space to allocate when getting memory from the OS. Can speed up future requests.

G95\_SIGHUP String Default: ABORT  
Whether the program will IGNORE, ABORT or SUSPEND on SIGHUP.

G95\_SIGINT String Default: ABORT  
Whether the program will IGNORE or ABORT or SUSPEND on SIGINT.

G95\_FPU\_ROUND String Default: NEAREST  
Set floating point rounding. Values are NEAREST, UP, DOWN, ZERO.

G95\_FPU\_PRECISION String Default: (Unknown)  
Precision of intermediate results. Value can be 24, 53 and 64. Default 64

G95\_FPU\_DENORMAL Boolean Default: No  
Raise a floating point exception when denormal numbers are encountered.

G95\_FPU\_INVALID Boolean Default: No  
Raise a floating point exception on an invalid operation.

G95\_FPU\_ZERODIV Boolean Default: No  
Raise a floating point exception when dividing by zero.

G95\_FPU\_OVERFLOW Boolean Default: No  
Raise a floating point exception on overflow.

G95\_FPU\_UNDERFLOW Boolean Default: No  
Raise a floating point exception on underflow.

G95\_FPU\_INEXACT Boolean Default: No  
Raise a floating point exception on precision loss.

G95\_FPU\_EXCEPTIONS Boolean Default: No  
Whether masked floating point exceptions should be shown after the program ends.

G95\_UNIT\_x            Default unit names  
G95\_UNBUFFERED\_x    Unit buffering overrides

## **Runtime Error Codes**

Running a g95-compiled program with the --help option will dump this list of error codes to standard output

```
-2    End of record
-1    End of file
 0    Successful return
      Operating system errno codes (1 - 199)
200   Conflicting statement options
201   Bad statement option
202   Missing statement option
203   File already opened in another unit
204   Unattached unit
205   FORMAT error
206   Incorrect ACTION specified
207   Read past ENDFILE record
208   Bad value during read
209   Numeric overflow on read
210   Out of memory
211   Array already allocated
212   Deallocated a bad pointer
213   Bad record number in direct-access file
214   Corrupt record in unformatted sequential-access file
215   Reading more data than the record size (RECL)
216   Writing more data than the record size (RECL)
```

### SEE ALSO:

For further information see the following man and info entries: gpl(7), gfdl(7), fsf-funding(7), cpp(1), gcov(1), gcc(1), as(1), ld(1), gdb(1), adb(1), dbx(1), sdb(1) and the Info entries for gcc, cpp, as, ld, binutils and gdb.

## **Fortran 2003 Features**

G95 implements a few features of Fortran 2003. For a discussion of all the new features of Fortran 2003, see:

[http://www.kcl.ac.uk/kis/support/cit//fortran/john\\_reid\\_new\\_2003.pdf](http://www.kcl.ac.uk/kis/support/cit//fortran/john_reid_new_2003.pdf)

COMMAND\_ARGUMENT\_COUNT ()

An inquiry function that returns the number of command arguments as a default integer scalar.

CALL GET\_COMMAND ([COMMAND,LENGTH,STATUS])

Returns the entire command by which the program was invoked.

CALL GET\_COMMAND\_ARGUMENT (NUMBER[,VALUE,LENGTH,STATUS])

Returns a command argument.

CALL GET\_ENVIRONMENT\_VARIABLE (NAME[,VALUE,LENGTH,STATUS,TRIM\_NAME])

Obtains the value of an environment variable.

Real and double precision DO loop index variables are not implemented in g95.

Square brackets [ ... ] may be used as an alternative to (/ ... /) for array constructors and delimiters.

TR 15581 - allocatable derived types. Allows the use of the ALLOCATABLE attribute on:

- \* dummy arguments
- \* function results
- \* structure components

## G95 Extensions - Intrinsic Procedures

<u>Abort</u>	<u>Float</u>	<u>Rename</u>
<u>ChDir</u>	<u>Flush</u>	<u>Signal</u>
<u>DCMPLX()</u>	<u>FStat</u>	<u>Sleep</u>
<u>DFLOAT()</u>	<u>g95_runtime_start</u>	<u>SRand</u>
<u>DREAL()</u>	<u>GetArg</u>	<u>Stat</u>
<u>Dtime</u>	<u>GetLog</u>	<u>System</u>
<u>ErF</u>	<u>GetPid</u>	<u>Time</u>
<u>ErFC</u>	<u>HostNm</u>	<u>Unlink</u>
<u>ETime</u>	<u>IsNaN</u>	<u>%Val &amp; %Ref</u>
<u>Exit</u>	<u>LStat</u>	
<u>Fdate</u>	<u>Rand</u>	

CALL Abort()  
Prints a message and quits.

CALL ChDir(Dir, Status)  
Dir: CHARACTER; scalar; INTENT(IN)  
Status: INTEGER(KIND=1); OPTIONAL; scalar; INTENT(OUT)  
Sets the current working directory to 'Dir'.

DCMPLX()  
Double precision COMPLEX()

DFLOAT()  
Double precision REAL()

DREAL()  
Alias for DBLE()

Dtime(TArray)  
TArray: REAL(KIND=1); DIMENSION(2); INTENT(OUT)  
REAL(KIND=1) function. Returns the runtime in seconds since the start of the process, or since the last invocation.

ErF(X)  
X: REAL; scalar; INTENT(IN)  
REAL function, the `KIND=' value of the type being that of argument X. Returns the error function of X.

ErFC(X)  
X: REAL; scalar; INTENT(IN)  
REAL function, the `KIND=' value of the type being that of argument X. Returns the complementary error function of X:  $ERFC(R) = 1 - ERF(R)$ .



Etime(TArray)  
TArray: REAL(KIND=1); DIMENSION(2); INTENT(OUT)  
REAL(KIND=1) function. Returns in seconds the time since the start of the process' execution.

CALL Exit(Status)  
Status: INTEGER; OPTIONAL; scalar; INTENT(IN)  
Exit a program with status 'Status' after closing open Fortran i/o units.

Fdate()  
CHARACTER\*(LEN=\*) function. Returns the current date and time as:  
Day Mon dd hh:mm:ss yyyy

Float(A)  
A: INTEGER; scalar; INTENT(IN)  
REAL(KIND=1) function. Archaic form of 'REAL()' that is specific to one type for A.

CALL Flush(Unit)  
Unit: INTEGER; OPTIONAL; scalar; INTENT(IN)  
Flushes Fortran unit(s) currently open for output. Without the optional argument, all such units are flushed, otherwise just the unit specified by 'Unit'.

FStat(Unit, Sarray)  
Unit: INTEGER; scalar; INTENT(IN)  
Sarray: INTEGER(KIND=1); DIMENSION(13); INTENT(OUT)  
INTEGER function. Obtains data about the file open on Fortran I/O unit 'Unit' and places them in the array 'Sarray'. The values in this array are extracted from the stat structure as returned by fstat(2) q.v., as follows:

1. File mode
2. Inode number
3. ID of device containing directory entry for file
4. Device id (if relevant)
5. Number of links
6. Owner's uid
7. Owner's gid
8. File size (bytes)
9. Last access time
10. Last modification time
11. Last file status change time
12. Preferred i/o block size
13. Number of blocks allocated

CALL g95\_runtime\_start()  
Initialize the g95 runtime library. May be required in c programs calling Fortran routines and linked using g95. Use before calling Fortran routines.

CALL GetArg(Pos, Value)  
Pos: INTEGER; scalar; INTENT(IN)  
Value: CHARACTER; scalar; INTENT(OUT)  
Sets 'Value' to the Pos-th command-line argument.

CALL GetLog(Login)  
Login: CHARACTER; scalar; INTENT(OUT)  
Returns the login name for the process in 'Login'.

GetPid()  
 INTEGER(KIND=1) function. Returns the process id for the current process.

HostNm(Name)  
 Name: CHARACTER; scalar; INTENT(OUT)  
 INTEGER(KIND=1) function. Fills 'Name' with the system's host name.

IsNan()  
 Elemental LOGICAL\*4 function. Tests whether REAL or DOUBLE PRECISION numbers are Not-a-Number (NaN)

LStat(File, Sarray)  
 File: CHARACTER; scalar; INTENT(IN)  
 Sarray: INTEGER(KIND=1); DIMENSION(13); INTENT(OUT)  
 INTEGER(KIND=1) function. Obtains data about the given 'File' and places them in the array 'Sarray'. If 'File' is a symbolic link it returns data on the link itself, so the routine is available only on systems that support symbolic links. See Fstat() for details.

Rand(Flag)  
 Flag: INTEGER; OPTIONAL; scalar; INTENT(IN)  
 REAL(KIND=1) function. Returns a uniform quasi-random number between 0 and 1. If 'Flag' is 0, the next number in sequence is returned; if 'Flag' is 1, the generator is restarted by calling 'srand(0)'; if 'Flag' has any other value, it is used as a new seed with srand.

CALL Rename(Path1, Path2, Status)  
 Path1: CHARACTER; scalar; INTENT(IN)  
 Path2: CHARACTER; scalar; INTENT(IN)  
 Status: INTEGER; OPTIONAL; scalar; INTENT(OUT)  
 Renames the file Path1 to Path2. If the Status argument is supplied, it contains 0 on success or an error code otherwise upon return.

CALL Signal(Number, Handler)  
 Number: INTEGER; scalar; INTENT(IN)  
 Handler: Signal handler (INTEGER FUNCTION or SUBROUTINE) or dummy/global  
 INTEGER(KIND=1) scalar  
 If 'Handler' is an EXTERNAL routine, arranges for it to be invoked with a single integer argument (of system-dependent length) when signal 'Number' occurs. If 'Number' is an integer it can be used to turn off handling of signal 'Handler' or revert to its default action. Note that 'Handler' will be called with C conventions, so its value in Fortran terms is obtained by applying %loc (or loc) to it.

CALL Sleep(Seconds)  
 Seconds: INTEGER(KIND=1); scalar; INTENT(IN)  
 Causes the process to pause for 'Seconds' seconds.

CALL Srand(Seed)  
 Seed: INTEGER; scalar; INTENT(IN)  
 Reinitialises the random number generator with the seed in 'Seed'.

Stat(File, Sarray)  
 File: CHARACTER; scalar; INTENT(IN)  
 Sarray: INTEGER(KIND=1); DIMENSION(13); INTENT(OUT)  
 INTEGER(KIND=1) function. Obtains data about the given File and places them in the array 'Sarray'. See Fstat()

CALL System(Command, Status)  
Command: CHARACTER; scalar; INTENT(IN)  
Status: INTEGER(KIND=1); OPTIONAL; scalar; INTENT(IN)  
Passes the command 'Command' to a shell.

Time()  
INTEGER(KIND=2) function. Returns the current time encoded as an integer in the manner of the UNIX function 'time'.

CALL Unlink(File, Status)  
File: CHARACTER; scalar; INTENT(IN)  
Status: INTEGER(KIND=1); OPTIONAL; scalar; INTENT(OUT)  
Unlink the file 'File'. If the 'Status' argument is supplied, it contains 0 on success or an error code otherwise.

%VAL() and %REF()  
Allow Fortran procedures to call c functions.

## **Installation Notes**

### Linux:

Open a console, and go to the directory in which you want to install g95. To download and install g95, run the following commands:

```
wget -O - http://www.g95.org/g95-x86-linux.tgz | tar xvfz -  
ln -s $PWD/g95-install/bin/i686-x86-linux-gnu-g95 /usr/bin/g95
```

The following files and directories should be present:

```
./g95-install/  
./g95-install/bin/  
./g95-install/bin/i686-pc-linux-gnu-g95  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/f951  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/crtendS.o  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/crtend.o  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/crtbeginT.o  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/crtbeginS.o  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/crtbegin.o  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/ccl  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/libf95.a  
./g95-install/lib/gcc-lib/i686-pc-linux-gnu/4.0.0/libgcc.a  
./g95-install/INSTALL  
./g95-install/G95Manual.pdf
```

The file ccl is a symbolic link to f951 in the same directory.

### Cygwin:

The -mno-cygwin option allows the Cygwin version of g95 to build executables that do not require access to the file cygwin1.dll in order to work, and so can be easily run on other systems. Also the executables are free of restrictions attached to the GNU GPL license. To install a Cygwin version with a working -mno-cygwin option, you will need the mingw libraries installed, available from the Cygwin site: <http://cygwin.com/>

Download the binary from <http://www.g95.org/g95-x86-cygwin.tgz> to your root cygwin directory (usually c:\Cygwin); start a Cygwin session, and issue these commands:

```
cd /
tar -xvzf g95-x86-cygwin.tgz
```

This installs the g95 executable in the /usr/local/bin directory structure.

Caution: Do not use Winzip to extract the files from the tarball or the necessary links may not be properly set up.

#### MinGW:

G95 requires the latest version of MinGW, including the binutils package. Install g95 by executing the self extracting install package g95-MinGW.exe from <http://www.g95.org>. Set the PATH to find both the MinGW\bin and the g95\bin directories.

## **Running G95**

This section is provided to aid users unfamiliar with Unix compiler syntax.

#### Basic options:

```
-c    Compile only, do not run the linker.
-o    Specify the name of the output file, either an object file or the
executable.
```

Multiple source and object files can be specified at once. Fortran files are indicated by names ending in ".f", ".F", ".for", ".FOR", ".f90", ".F90", ".f95", and ".F95". Multiple source files can be specified. Object files can be specified as well and will be linked to form an executable.

Files ending in uppercase letters are preprocessed with the C preprocessor by default, files ending in lowercase letters are not preprocessed by default.

Files ending in ".f", ".F", ".for", and ".FOR" are assumed to be fixed form source compatible with old f77 files. Files ending in ".f90", ".F90", ".f95" and ".F95" are assumed to be free source form.

#### Simple examples:

```
g95 -c hello.f90
Compiles hello.f90 to an object file named hello.o.
```

```
g95 hello.f90
Compiles hello.f90 and links it to produce an executable a.out (on Linux), or,
a.exe (on MS Windows systems).
```

```
g95 -c h1.f90 h2.f90 h3.f90
Compiles multiple source files. If all goes well, object files h1.o, h2.o and
h3.o are created.
```

```
g95 -o hello h1.f90 h2.f90 h3.f90
Compiles multiple source files and links them together to an executable file
named 'hello', or 'hello.exe' on MS Windows systems.
```

## **Links**

The g95 home page: <http://www.g95.org>  
Documentation: <http://www.g95.org/docs.html>  
This manual: <http://www.g95.org/G95Manual.pdf>  
Source code: [http://www.g95.org/g95\\_source.tgz](http://www.g95.org/g95_source.tgz)  
Authors: See the file AUTHORS in the g95 source for contributors to g95.  
Bugs: Report bugs to [andyv@firstinter.net](mailto:andyv@firstinter.net)

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