WHEREIS

The WHEREIS package extends the function WHEREIS such that, when asked about a given name as a function, WHEREIS will consult not only the commands of files that have been noticed by the file packages, but also one or more hash file data bases that associate function names with file names.

(WHEREIS *NAME TYPE FILES FN*)   [Function]

Behaves exactly like the standard WHEREIS function (see the *Interlisp-D Reference Manual*) unless *TYPE*=FNS (or NIL) and *FILES*=T. In this case, WHEREIS will consult, in addition to the files on FILELST, the hash files that are on the value of WHEREIS.HASH. Note: normally the user will just enter the full name of a file onto WHEREIS.HASH, but as WHEREIS begins to use it, it will convert the entry into a cons of the name and the hash file handle.

Many system functions, such as the editors, call WHEREIS with *FILES*=T, so loading this package automatically makes any information contained in the WHEREIS data base files available throughout the system.

Creating a Where Is Data Base

Information may be added to an existing WHEREIS hash file, or by creating new data bases. It is often useful to have a separate data base for large user systems, explicitly calling the following function:

 (WHEREISNOTICE *FILEGROUP NEWFLG*
                DATABASEFILE)   [Function]

Inserts the information about all of the functions on the files in *FILEGROUP* into the WHEREIS data base contained on *DATABASEFILE*. If *DATABASEFILE* is NIL, the first entry on WHEREIS.HASH is used.

FILEGROUP may be simply a list of files, in which case each file thereon is handled directly; but it may also be a pattern to be given as a file group argument to DIRECTORY, so * may be used.

If *NEWFLG* is non-NIL, a new version of *DATABASEFILE* will be created containing the data base for the functions specified in *FILEGROUP*. If *NEWFLG* is a number, the hash file will be created with *NEWFLG* entries. Otherwise, it will be created to allow 20,000 entries.

Example:

The following sequence of actions will cause all of the files on the PROJECT directory to be noticed by the WHEREIS package.

```
(WHEREISNOTICE'<PROJECT>*. T '<PROJECT>PROJECTWHEREIS.HASH)
     (push WHEREIS.HASH
     (FINDFILE '<PROJECT>PROJECTWHEREIS.HASH))
```