

To run TEST11 follow the same procedure outlined above for TEST01, but replace ‘01’ by ‘11’ in all references to filenames. A comparison of the results from these complementary tests is summarized in [Section A.11](#) of Appendix A.

2.6 OTHER TEST RUNS

The procedure for running the other test runs is the same as explained above, except for copying the appropriate files to `fnames.wam` from the original versions `test*.wam` where ‘*’ is the test number. Alternatively, `runwamit test*` will perform the same functionality using the supplied `runwamit.bat` file.

A special batch file `runtests.bat` is included in the licensed version and a similar file `rundemo.bat` in the demonstration version. Executing the corresponding batch file command will run all of the tests in succession. The display shown on the monitor gives some indication of the progress through the set of runs from test01 to test25. The entire set of runs may take several minutes, depending on the computer.

2.7 USING MULTIPLE PROCESSORS

In Version 7 parallel processing can be performed on systems with multiple processors (logical processors, also known as logical CPUs). Depending on the inputs and hardware, the total run time can be reduced substantially. If the system includes more than one processor, open the file `config.wam` with a text editor. The default settings in this file are as follows:

```
NCPU=1
RAMGBMAX=0.5
USERID_PATH=\wamitv7
```

Edit the first line to specify a number of threads for parallel processing that does not exceed the number of logical processors of the system, and save the edited file with the same name. With this change the total run time for all of the standard tests should be substantially reduced. Test14a is a particularly good example, as noted in [Appendix A.14](#).

Instructions for finding the number of logical processors of the system are provided in [Section 14.6](#).

For the parameter RAMGBMAX, the value 0.5 is sufficient for all of the test runs unless NCPU is greater than 16. If NCPU exceeds 16, change RAMGBMAX following the guidelines in [Section 14.3](#). For older systems with less than 1Mb of RAM the parameter RAMGBMAX should be reduced to about half of the available RAM.