DESIGN VERIFICATION
EDA Tools Setup Instructions

These instructions enable you to access the professional EDA tools we use in the context of the Design Verification unit. Please follow the instruction closely; they should be sufficient for you to run the tools.

If there are problems, please let me know.
Have fun!

Kerstin

Getting Started with ModelSim

1. You need to include `/usr/local/modelsim/modeltech/bin` into your `PATH` (variable), set the environment variable `MODEL_TECH` and point to the ModelSim licenses.

   For instance, if you use the bash shell, it is best to do this in your `.bashrc` file by adding the following lines:

   ```
   export PATH=/usr/local/modelsim/modeltech/bin/:$PATH
   export MODEL_TECH=/usr/local/modelsim/modeltech/bin
   export MGLS_LICENSE_FILE=1717@ze-ls0.fen.bris.ac.uk,1717@ze-ls1.fen.bris.ac.uk,1717@ze-ls2.fen.bris.ac.uk
   ```

   Remember that changes in the file `.bashrc` are only effective when you call bash next time.

2. Now start ModelSim.

   ```
   vsim &
   ```

3. Now follow the instructions given in your exercise or assignment sheet to learn how to use ModelSim.

Getting Started with SpecMan

1. The current SpecMan installation can be found in `/usr/local/cadence/current`.

2. Use the following scripts to set the environment variables:

   If using bash

   ```
   source /usr/local/cadence/current/cadence_ic.sh
   ```

   If using tcsh

   ```
   source /usr/local/cadence/current/cadence_ic.csh
   ```

3. To activate specman in GUI mode type:

   ```
   specview &
   ```

   Alternatively, the command line mode can be accessed using:

   ```
   specman
   ```

4. To activate **help** type:

   ```
   cdnshelp &
   ```

   at a terminal window. This should open up the Cadence Help Browser. Go to the “Edit” menu, select the “General” tab and change the “Default Navigation View” to “Show Tree View on startup”.

5. Now follow the instructions given in your exercise or assignment sheet to learn how to use SpecMan.