Altera Maxplus Tutorial

- This is a short tutorial on Altera Maxplus schematic capture
 and simulation
- You have the choice of using either the Unix workstations (Simrall 1st floor) or your PC.
 - I would suggest your own PC; no competition for seats, convenient, very fast if you have a 200 Mhz or better CPU and 32 Mb of memory.
 - Executing the file '/pc/SETUP.EXE' on the CDROM in your textbook will install Maxplus on your PC.
 - Files created under the PC version are compatible with the Unix version and vice-versa.
 - Appendix B in the back of your textbook has a very detailed tutorial and is the basis for Lab #0 in the course.

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UNIX setup

- After you log in, to access the MAXPLUS software do: % swsetup altera This will put the Altera binaries on your path list. This only needs to be done one time after logging in (or put in shell startup file).
- You should create a separate directory for each external assignment. The directory name is not important. The following unix commands create a directory, change into that directory, then startup maxplus

% mkdir lab1 % cd tut1 % max2win

The following slide shows the 'max2win' user interface.

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File Types

- .gdf Schematic Files (user created, schematic editor)
- .vhd VHDL Files (user created, text editor)
- .scf Waveform files (user created, waveform editor)
- .rpt Report of compilation process (tool created)
- .acf Project configuration file, automatically generated but can be edited by user (e.g., for pin assignments)
- .sym Symbol files, automatically generated, can edited by user (to create a custom symbol).

There are MANY, MANY other files automatically generated by various tools. Only the above types need to be preserved in order to keep your design; the other files can be deleted.

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any new file, use File -> New command from u, will pop up file creation menu, choose a
New Image: Complex Editor file C Symbol Editor file









