Altera Maxplus Tutorial

- This is a short tutorial on Altera Max+plus II schematic capture and simulation
- You have the choice of using either University PCs (Zakhem, 4th 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.
 - The class WWW page will have a link that discusses home PC installation.

MAX Plus Main Window



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Main Menu Bar



Create new files, open old files, set project

MAX+plusII Menu

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Methodology



File Creation

To create any new file, use File -> New command from main menu, will pop up file creation menu, choose a type.

New	đ
File Type	
Graphic Editor Ne .gdi ▼	
C Symbol Editor file	I
C Text Editor file	
C Wavelorn Editor file .scf 💌	
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File Types

- **u** .gdf Schematic Files (user created, schematic editor)
- .vhd VHDL Files (user created, text editor)
- **u** .scf Waveform files (user created, waveform editor)
- **u** .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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Compiler



After creating schematic or VHDL file, clicking on start button will start compilation process. After compilation is complete, can simulate design (if you have created a test waveform for the design).

Sample Schematic

A sample schematic is show below for reference.

