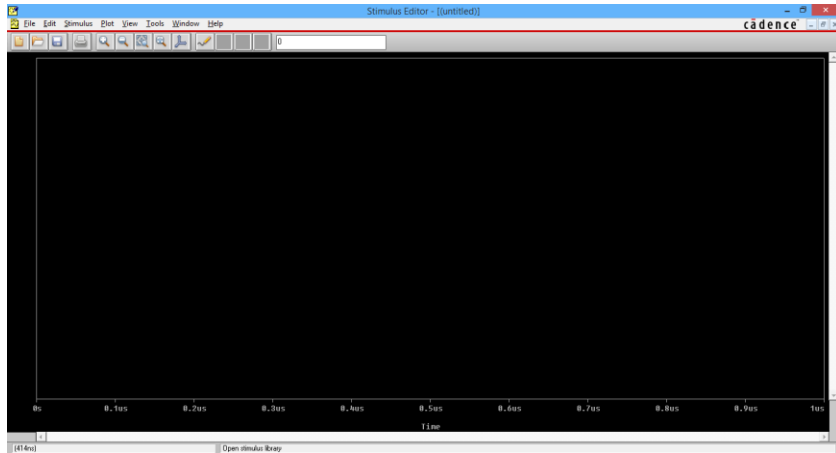


Creating your own stimulus file.

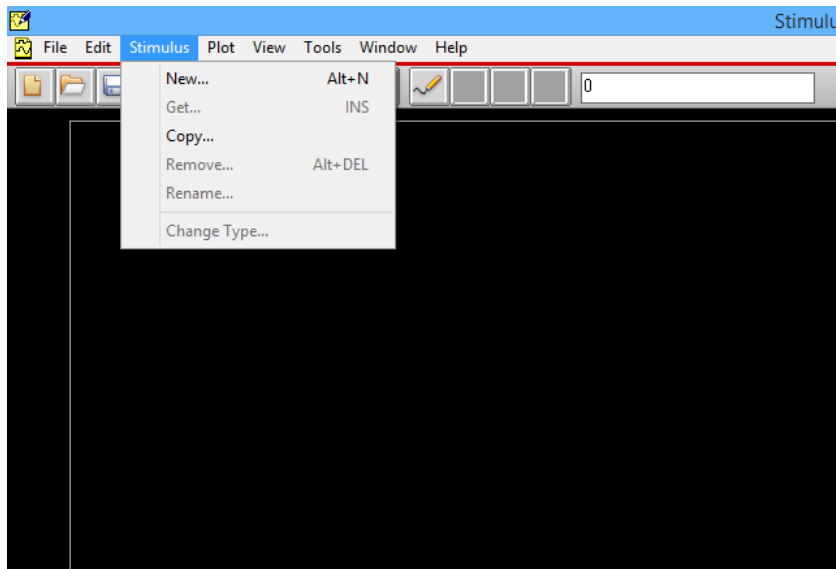
Open the OrCad Stimulus Editor.

Click on File->New. You now have a blank timeline on which you can build your stimulus.

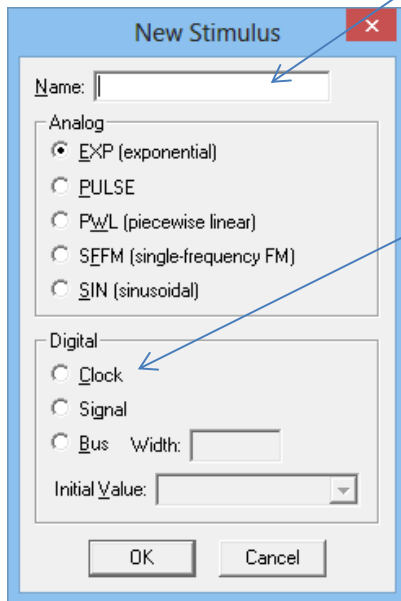


At this point, it pays to save the file (even though it is empty). Click on File-> Save and save your file.

Click on **Stimulus → New**



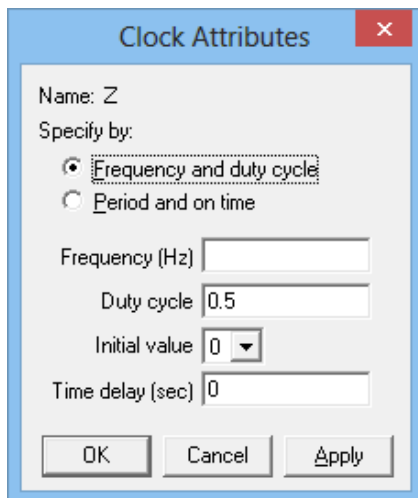
A new window appears. Enter the Name of your new **Stimulus** and select **Clock**.



The 'New Stimulus' dialog box has a title bar with a close button. It contains a 'Name:' text field. Below it are two sections: 'Analog' with radio buttons for 'EXP (exponential)', 'PULSE', 'PWL (piecewise linear)', 'SFFM (single-frequency FM)', and 'SIN (sinusoidal)'; and 'Digital' with radio buttons for 'Clock', 'Signal', and 'Bus'. The 'Bus' option has a 'Width:' text field. At the bottom is an 'Initial Value:' dropdown menu. 'OK' and 'Cancel' buttons are at the bottom.

Click **OK**.

At this point the Clock Attributes window appears.

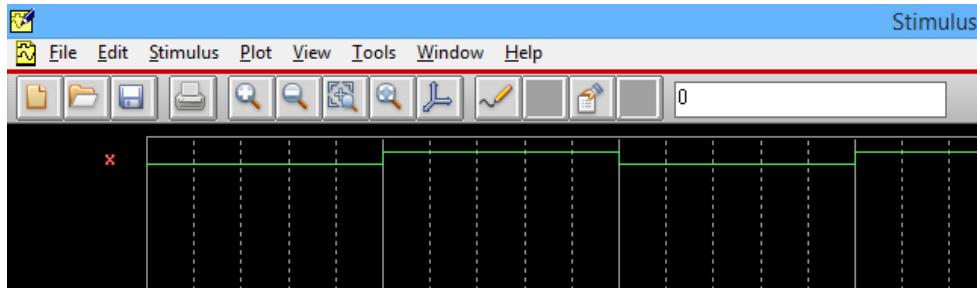


The 'Clock Attributes' dialog box has a title bar with a close button. It contains a 'Name:' text field with the value 'Z'. Below it is a 'Specify by:' section with radio buttons for 'Frequency and duty cycle' (selected) and 'Period and on time'. Under 'Frequency and duty cycle' are fields for 'Frequency (Hz)', 'Duty cycle' (0.5), 'Initial value' (0), and 'Time delay (sec)' (0). 'OK', 'Cancel', and 'Apply' buttons are at the bottom.

You must enter a **frequency** for your new stimulus. This frequency CANNOT equal any frequency you are currently using. I suggest you double the value of the highest frequency currently being used in your project. If this is the first stimulus you are adding to the stimulus file, start with 1khz.

Then click OK.

You should now have a new stimulus for your project. In this case, the input X was created.



You can add any remaining required inputs, by selecting Stimulus->New repeating the steps above with a different stimulus name and frequency.