## The time the sun reaches its zenith for a given location

The time the sun reaches its zenith can be found easily using "Stellarium".

After the installation is complete, open the program.

1. From the bar on the left, (it is hidden until the mouse goes over) select the top icon "Location Window".
2. Insert your location either from the list or by giving the respective coordinates. Tick "Use as default" and the press " $X$ "

3. Locate the Sun and click on it so that you can see its information on the top left corner of your screen.
4. Select the "Time/Date" Window.

5. Set the date the measurement is going to take place and start changing the time while checking the value for the Sun's Azimuth. The goal is to find the time when the Azimuth is $180^{\circ}$. When you find at what time the sun's azimuth is $180^{\circ}$ write down the time. This is the time the measurement should take place at the given date for the given location.

