C2110 *UNIX and programming*

Lesson 11

PS / 2020 Distance form of teaching: Rev1

Petr Kulhanek

kulhanek@chemi.muni.cz

National Center for Biomolecular Research, Faculty of Science
Masaryk University, Kamenice 5, CZ-62500 Brno

Lollipop Competition

Homework

Instructions:

1. Listed tasks are for **advanced students.**

Assignment:

1. Create a script that will create 360 images with dimension 800x600 showing the course of the sin(x + offset) function, for x in the interval 0 - 2 π, where the offset constant will vary between images from 1 to 360˚.
2. Use the same technique as in task 1. Using the appropriate function and command splot to show schematically the waving on the water surface after the impact of a drop.
3. Create a video with pictures, use either ffmpeg or mencoder.

Successful solvers will receive a lollipop (handed over at the exam).