

## ANIMATIONS INFORMATION

*This document provides some extra information for attached animations. The enclosed animations are the most easily opened with web browser.*

All animations show the contours of liquid volume fraction. The colormap ranges from blue (no liquid, only vapor) to red (no vapor, only liquid), which corresponds to liquid volume fraction 0 and 1 respectively. The figures for all animations were taken every 20 time steps. In total over than 3000 time steps are covered for microchannel case#1 and millichannel case #2. For microchannel cases #5 and #6 and millichannel case #3 over 8500 time steps are covered. The images are put into infinite loop with 100 or 150 ms between each two subsequent images (this is always indicated in file name).

Where the time parameters were kept constant we can compare how fast each flow develops. This can be done for example for the two millichannel cases or for two microchannel cases that are animated with same frame rate (100 ms).

For the two millichannel animations contours of volume fraction in the plane of symmetry are plotted. This makes the animation easier to observe, on the other hand we have no information on how the flow develops in the rest of brick-shaped chamber. This represents a possibility for improvement for future animations gathered during this project.