Files are divided into two groups; (1) codes to calculate parameters post-simulation and (2) files from 1 simulation.

1) Codes

- 'Shearstress.m': code to calculate shear stress from the simulation with Matlab.

- 'Ratio.m': code to calculate the shear stress ratio with Matlab

2) Simulation files

- 'MFN14F.ensi.case': This file can be opened in Paraview to visualize the results of this simulation. The extra files needed to visualize are specified below.

- 'MFN14F.ensi.geo': File that contains the geometry data of the simulation.

- 'MFN14F.ensi.VELOC-XXXXXX': Files to visualize the velocities of the simulation. XXXXXX is the number of the time step.

- 'MFN14F.ensi.PRESS-XXXXXX': Files to visualize the pressure of the simulation. XXXXXX is the number of the time step.

- 'MFN14F.ensi.DISPM-XXXXXX': Files to visualize the fluid mesh displacement of the simulation. XXXXXX is the number of the time step.

- 'MFN14F.ensi.SHSTR-XXXXXX': Files to visualize the shear stress tangential of the simulation. XXXXXX is the number of the time step. Only uploaded the steps 15 to 25 (systolic peak).

- 'MFN14F.ensi.SHSTC-XXXXXX': Files to visualize the shear stress circumferential of the simulation. XXXXXX is the number of the time step. Only uploaded the steps 15 to 25 (systolic peak).

- 'MFN14F.ensi.RATIO-XXXXXX': Files to visualize the shear stress ratio of the simulation. XXXXXX is the number of the time step. Only uploaded the steps 15 to 25 (systolic peak).