# SPH params:

1.Particle radius

2.Reference density

3.Gravity

4.Surface tension

5.Viscosity

6.Time step

7.Compression threshold

8.Particle mass

9.Average density variation threshold

10.Maximum density variation threshold

# Fluid params:

1.Position

2.Velocity

3.New position

4.New velocity

5.Position of previous shock

6.Velocity of previous shock

7.Normal

8.Force

9.Pressure force

10.Density

11.Pressure