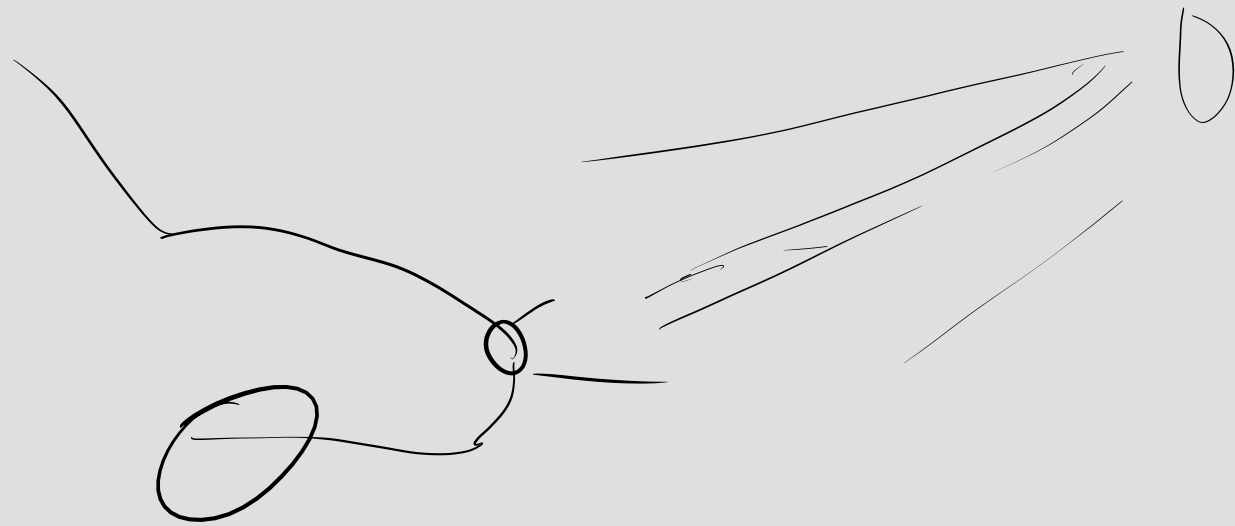
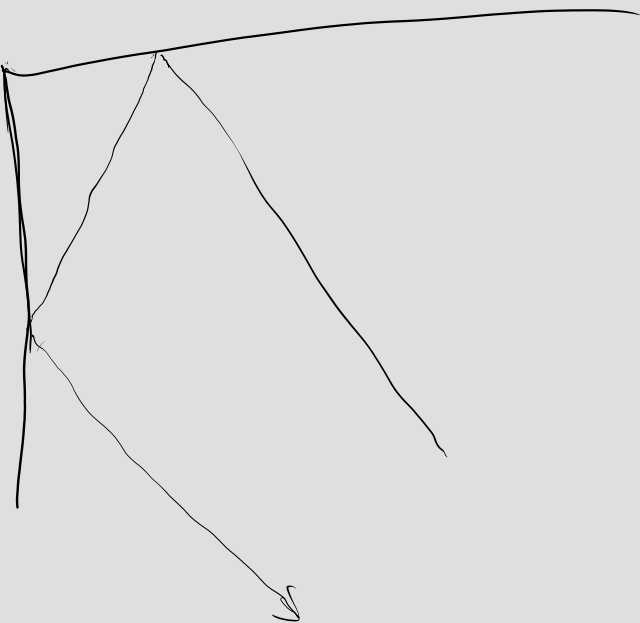


Stop signs

retro reflection



Watercolor

surface tension

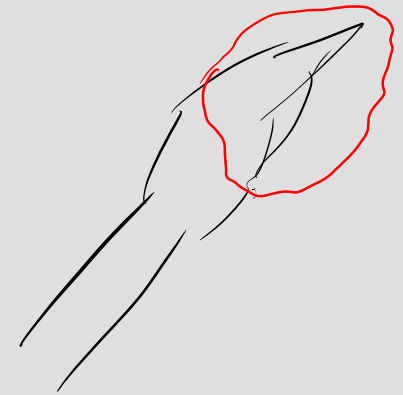
latex paint

non-Newtonian fluids

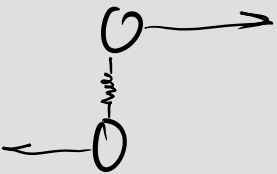
Shear-Thinning

incompressible
momentum
viscosity

$f(\text{stress})$

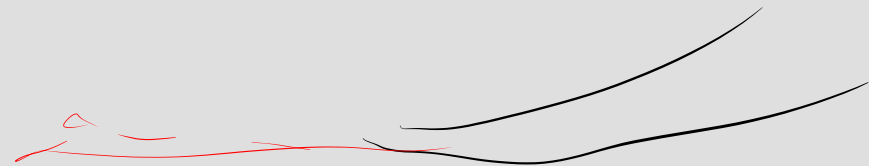
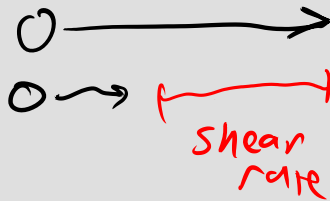


elasticity



Plasticity - breaks
100 springs

+ makes new shear ds



discrete

Poisson

EQ

Momentum — advection

Gravity, ν , etc — external force

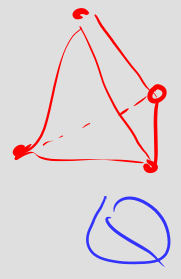
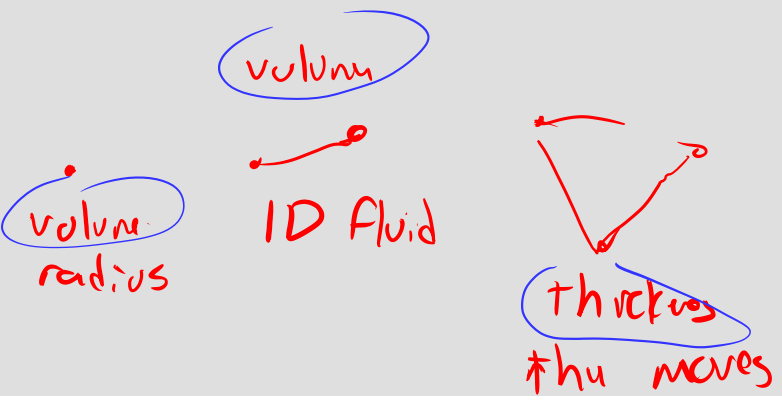
Elasticity — spring

Solve Poisson EQ to get pressure

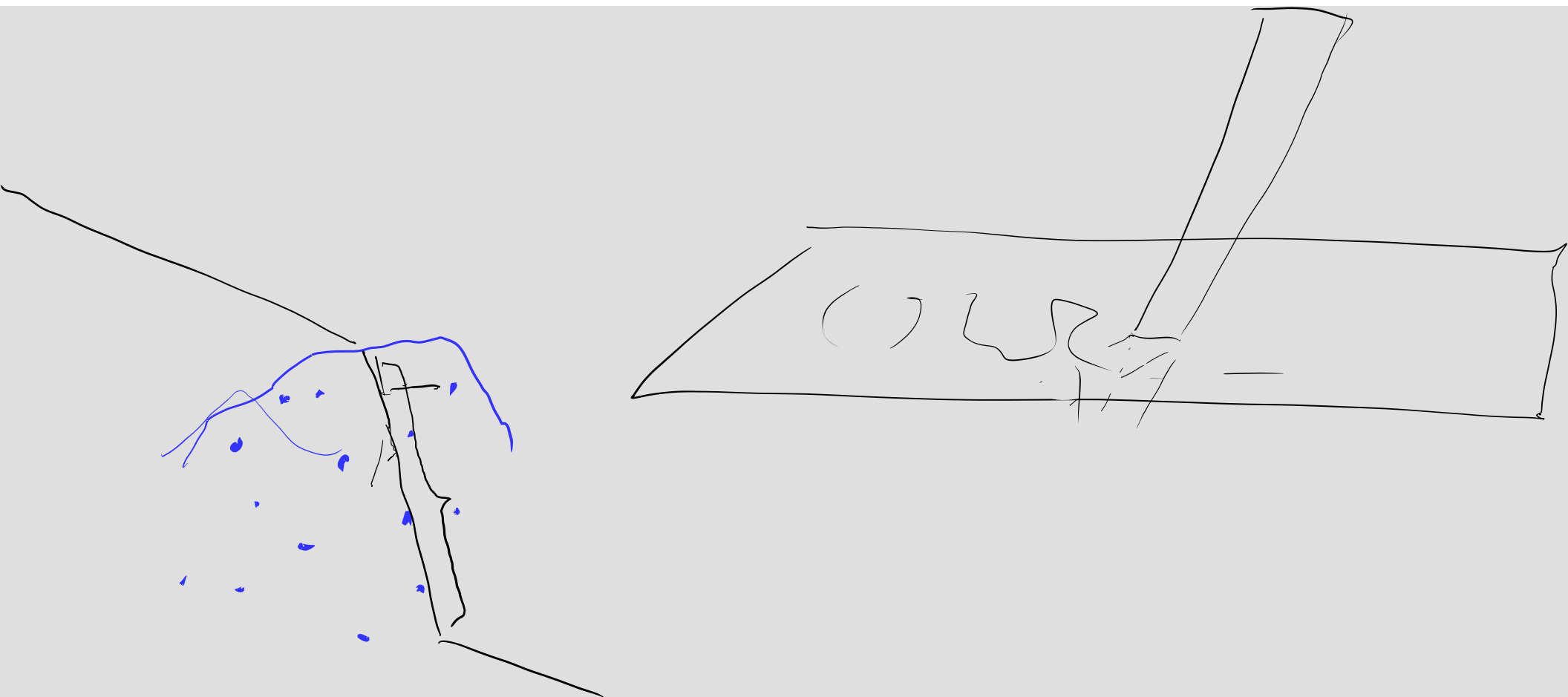
use pressure non-newtonian viscosity

use pres to make incompressible

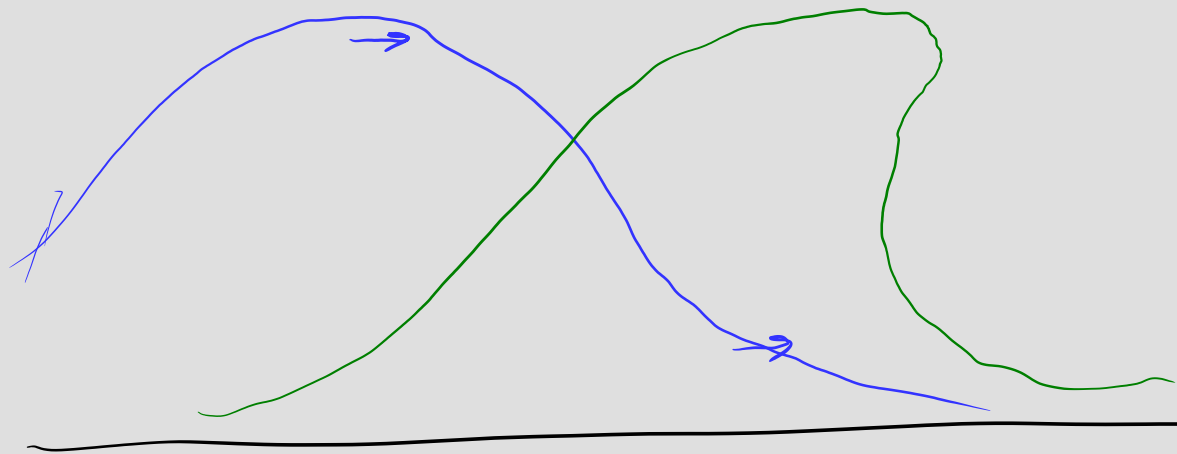
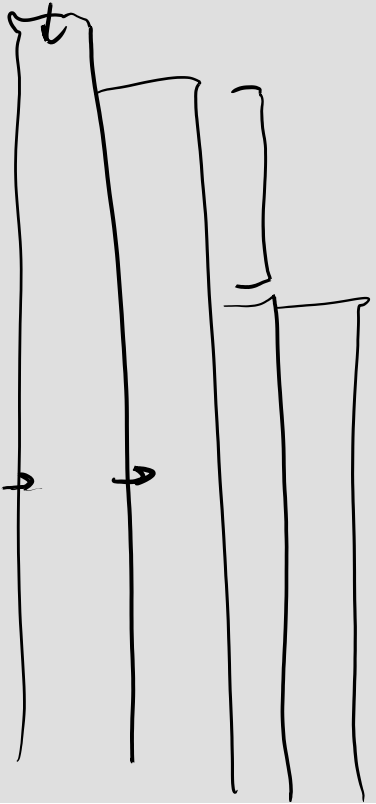
Codimensionality

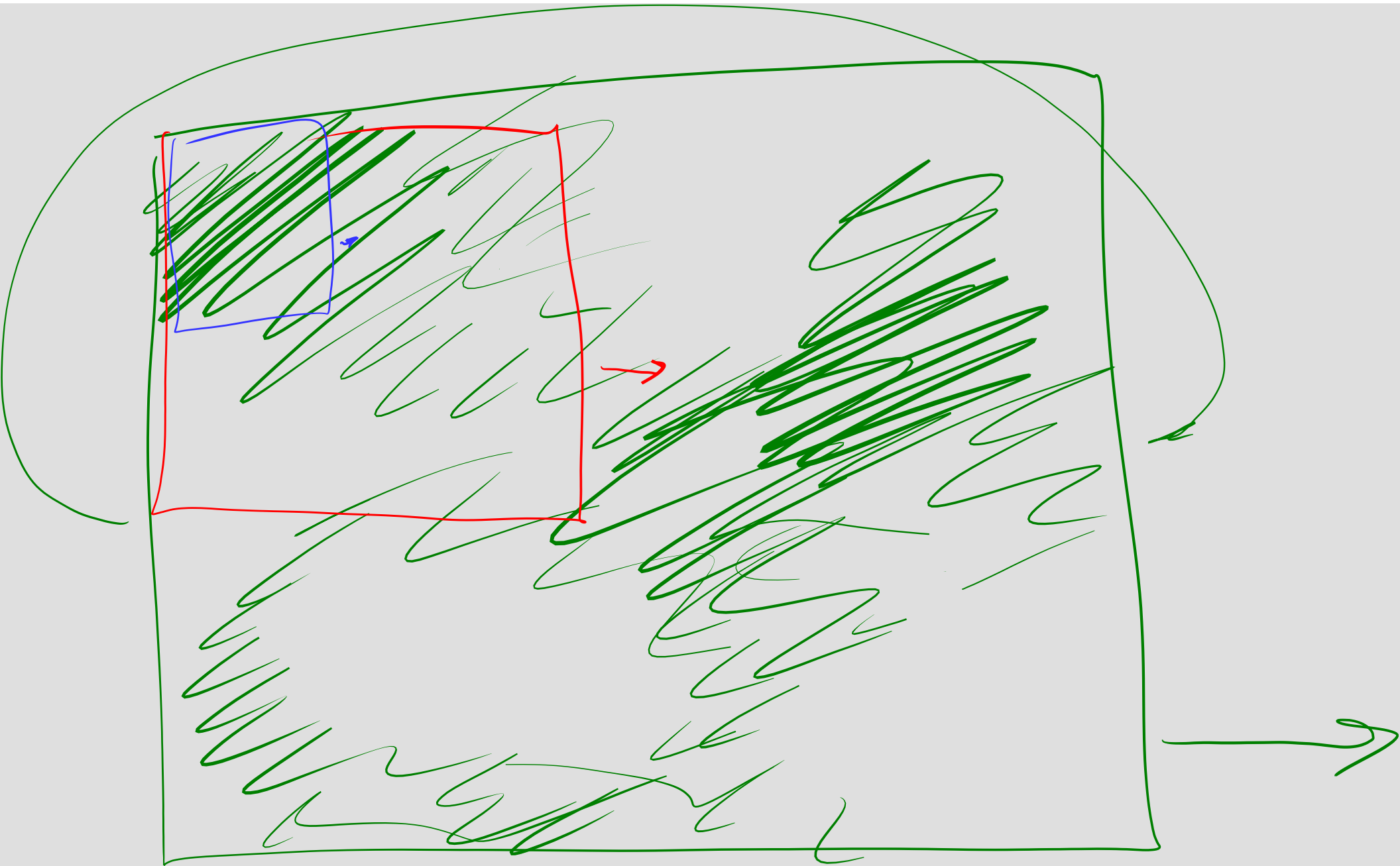


fluid open
re-mesh



Big way \rightarrow fast





$$4 \text{ pts} \cdot \frac{3 \text{ val}}{\text{pt}} \cdot \frac{4 \text{ by}}{4} \rightarrow 48$$

$$4 \text{ tri} \cdot \left(\begin{array}{c} 3 \text{ ver} \\ 1 \\ 4 \end{array} + \begin{array}{c} 3 \text{ nei} \\ 4 \end{array} \right) \rightarrow 96$$

