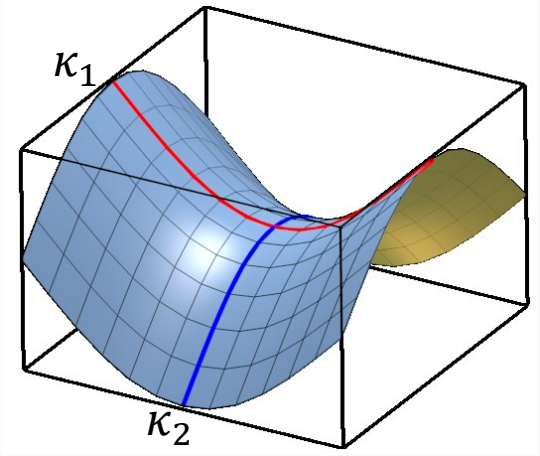

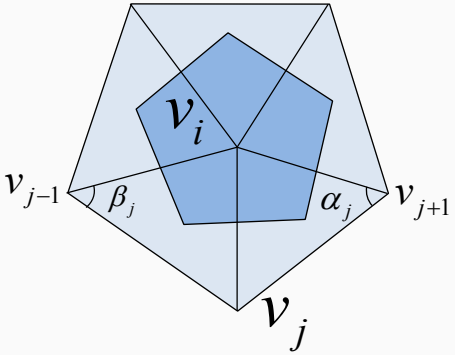

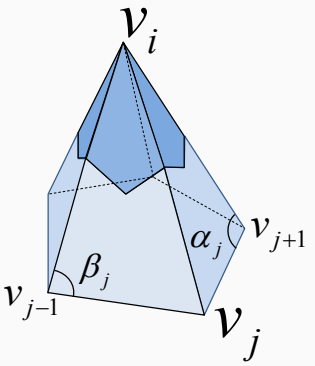

Curvature

$$\kappa = \frac{1}{R}$$

Mean Curvature

$$\kappa_H = \frac{\kappa_1 + \kappa_2}{2}$$

Gradient of voronoi region

$$\nabla A = \frac{1}{2}\sum_j \left(\cot\alpha_j + \cot\beta_j\right)\left(v_i - v_j\right)$$

Discrete mean curvature normal

$$2\kappa_H \mathbf{n} = \frac{\nabla A}{\mathrm{A}}$$

Laplace Beltrami operator

$$\Delta S = 2\kappa_H \mathbf{n}$$