Desbrun's operator for triangle meshes

Gradient of voronoi area ∇A

$$\Delta(v_i) = 2\kappa_H \mathbf{n} = \frac{\nabla A}{A} = \frac{1}{A} * \frac{1}{2} \sum_j (\cot \alpha_j + \cot \beta_j)(v_i - v_j)$$

Area around vi

Mean curvature normal