arccos, atan2 from trigonometry

## ElementSets from MeshConnectivity

Faces, Vertices, Edges, OppositeFaces, NeighborVerticesInFace, OrientedVertices from Neighborhoods(M)

$$\begin{split} &M \colon \text{TriangleMesh} \\ &x_i \in \mathbb{R}^3 \\ &V, E, F = ElementSets(M) \\ &\theta(i,f) = \arccos\left(\frac{(x_i - x_i) \cdot (x_k - x_i)}{\|x_i - x_i\|} \|x_k - x_i\|\right) \\ &\text{where} \\ &i \in V \\ &f \in F \\ &j, k = NeighborVerticesInFace(f, i) \\ &area(f) = \frac{1}{2} \left\| (x_j - x_i) \times (x_k - x_i) \right\| \\ &\text{where} \\ &f \in F \\ &i, j, k = OrientedVertices(f) \\ &A(i) = \sum_{f \in Face(i)} area(f) \text{ where } i \in V \\ &N(f) = \frac{(x_j - x_i) \times (x_k - x_i)}{2 \ area(f)} \\ &\text{where} \\ &f \in F \\ &i, j, k = OrientedVertices(f) \\ &X(i) = \frac{2 \ n - x_i}{2 \ area(f)} \\ &\text{where} \\ &f \in F \\ &i, j, k = OrientedVertices(f) \\ &X(i) = \frac{2 \ n - x_i}{2 \ area(f)} \\ &\text{where} \\ &f \in F \\ &i, j, k = OrientedVertices(f) \\ &X(i) = \frac{2 \ n - x_i}{2 \ area(f)} \\ &\text{where} \\ &f \in F \\ &i, j, k = OrientedVertices(f) \\ &X(i) = \frac{2 \ n - x_i}{2 \ area(f)} \\ &\text{where } i \in V \\ &\text{where } i \in V \\ &X(i) = \frac{1}{2} \ n - \sum_{f \in Face(i)} n \ l_{i,f} \\ &x_i = V \\ &$$