

$$\varepsilon = 10^{-4}$$

$$\lambda_i = \frac{2\langle n_i + \langle n_i, n_j \rangle n_j, v_j - v_i \rangle}{1 - \langle n_i, n_j \rangle^2 + \varepsilon}$$

$$\lambda_j = \frac{2\langle n_j + \langle n_j, n_i \rangle n_i, v_i - v_j \rangle}{1 - \langle n_j, n_i \rangle^2 + \varepsilon}$$

$$q_{ij} = \frac{1}{2} (v_i + v_j) - \frac{1}{4} (\lambda_i n_i + \lambda_j n_j)$$

where

- $v_i \in \mathbb{R}^3$
- $n_i \in \mathbb{R}^3$
- $v_j \in \mathbb{R}^3$
- $n_j \in \mathbb{R}^3$