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

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

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

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

where

$$v_i \in \mathbb{R}^3$$

$$n_i \in \mathbb{R}^3$$

$$v_j \in \mathbb{R}^3$$

$$n_j \in \mathbb{R}^3$$