

from linearalgebra import tr

$$\mathcal{J}_3 = \mathbb{1}_{3,3}$$

$$\kappa_{angle}(D_m) = 3 \Big(\sqrt{2} v\Big)^{\frac{2}{3}} \left(\frac{7}{4} \|D_m\|_F^2 - \frac{1}{4} tr\big(\mathcal{J}_3 D_m^T D_m\big)\right)^{-1}$$

where

$$D_m \in \mathbb{R}^{3 \times 3}$$

$$v \in \mathbb{R}$$