

from linearalgebra import tr

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

$$\kappa_{angle}(D_m) = 3\Big(\sqrt{2}\mathfrak{v}\Big)^{\frac{2}{3}}\left(\frac{7}{4}\|D_m\|_F^2 - \frac{1}{4}tr\big(\mathcal{J}_3D_m^TD_m\big)\right)^{-1}$$

where

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

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