from linearalgebra import tr

$$\mathcal{J}_3 = \left[\mathbb{1}_{3,3}\right]$$

$$k\_angle(D_m) = 3(\sqrt{2}v)^{(\frac{2}{3})}(\frac{7}{4}\|D_m\|_F^2 - \frac{1}{4}tr(\mathcal{J}_3(D_m)^T D_m))^{-1}$$

where

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