from trigonometry import atan2

$$\mathbf{a} = v_{i} - p$$

$$\mathbf{b} = v_{j} - p$$

$$\mathbf{c} = v_{k} - p$$

$$a = \|\mathbf{a}\|_{2}$$

$$b = \|\mathbf{b}\|_{2}$$

$$c = \|\mathbf{c}\|_{2}$$

$$\frac{atan2\left(\left|\begin{bmatrix}\mathbf{a} & \mathbf{b} & \mathbf{c}\end{bmatrix}\right|, (abc + (\mathbf{a} \cdot \mathbf{b}) c + (\mathbf{b} \cdot \mathbf{c}) a + (\mathbf{c} \cdot \mathbf{a}) b\right)\right)}{2\pi}$$

where

$$v_i \in \mathbb{R}^3$$
 $v_j \in \mathbb{R}^3$
 $v_k \in \mathbb{R}^3$
 $p \in \mathbb{R}^3$