from trigonometry import atan2

$$\mathbf{a} = v_i - p$$
$$\mathbf{b} = v_j - p$$
$$\mathbf{c} = v_k - p$$
$$a = \|\mathbf{a}\|_2$$
$$b = \|\mathbf{b}\|_2$$
$$c = \|\mathbf{c}\|_2$$
$$\frac{atan2\Big(\Big|\begin{bmatrix}\mathbf{a} & \mathbf{b} & \mathbf{c}\end{bmatrix}\Big|, (abc + (\mathbf{a}\cdot\mathbf{b})c + (\mathbf{b}\cdot\mathbf{c})a + (\mathbf{c}\cdot\mathbf{a})b)\Big)}{2\pi}$$

where

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