



$$\rho = \cos^n \varphi \dots \text{for } \cos(\varphi) \geq 0$$

$$\rho = 0 \dots \text{for } \cos(\varphi) < 0$$

$$n = -0.1505 / \log_{10}(\cos \alpha)$$

Definition range:

$$0.1^\circ \leq \alpha \leq 89.0^\circ$$

$$0^\circ \leq \varphi \leq \pm 180^\circ$$