

$$\cos Px + \sin(Px - P/4) > 0$$

$$\cos Px + \sqrt{2}/2 \sin Px - \sqrt{2}/2 \cos Px > 0$$

$$(2 - \sqrt{2}) \cdot \cos Px + \sqrt{2} \sin Px > 0$$

$$2\sqrt{2}(2 - \sqrt{2}) \sin(x + t) > 0$$

$$\cos t = \sqrt{2}/2\sqrt{2}(2 - \sqrt{2}) = 1/\sqrt{2}(2 - \sqrt{2})$$

$$\sin t = (2 - \sqrt{2})/2\sqrt{2}(2 - \sqrt{2}) = \sqrt{2}(2 - \sqrt{2})/2$$

$$t = \arcsin(\sqrt{2}(2 - \sqrt{2})/2)$$

$$\sin(x + t) > 0$$

$$2Pk < x + t < P + 2Pk$$

$$x \in (2Pk - \arcsin(\sqrt{2}(2 - \sqrt{2})/2); P + 2Pk - \arcsin(\sqrt{2}(2 - \sqrt{2})/2))$$

$$\cos Px + \sin(Px - P/4) > 0$$

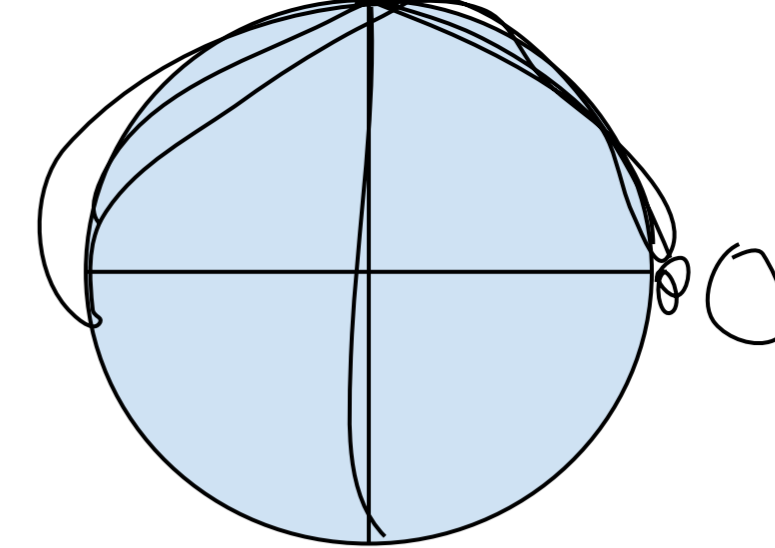
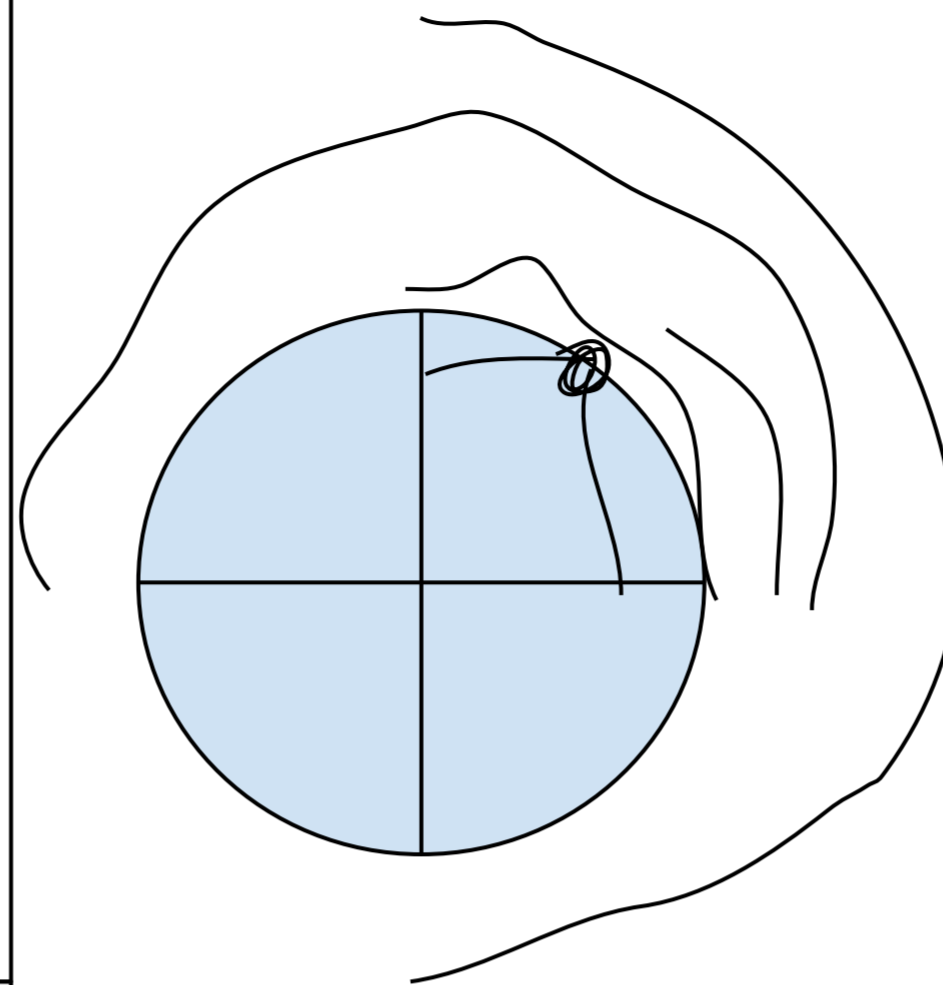
$$\sin(P/2 - Px) + \sin(Px - P/4) > 0$$

$$2\sin P/8 \cdot \cos(-Px - 3P/8) > 0$$

$$\cos(Px + 3P/8) > 0$$

$$Px + 3P/8 \in (-P/2 + 2Pk; P/2 + 2Pk)$$

$$x \in (-1/2 + 2k - 3/8; 1/2 + 2k - 3/8)$$



$$\sin x = \cos(P/2 - x)$$

$$\cos x = \sin(P/2 - x)$$