

$$|\psi_{\frac{\pi}{2}}\rangle$$

$$(0, 1)$$

$$|\psi_{\frac{3\pi}{4}}\rangle$$

$$|\psi_{\frac{\pi}{4}}\rangle$$

$$\left(-\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right)$$

$$\left(\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right)$$

$$\frac{\pi}{2}$$

$$\frac{3\pi}{4}$$

$$\frac{\pi}{4}$$

$$|\psi_{\pi}\rangle$$

$$(-1, 0)$$

$$\pi$$

$$0$$

$$(1, 0)$$

$$|\psi_0\rangle$$

$$\frac{5\pi}{4}$$

$$\frac{7\pi}{4}$$

$$\frac{3\pi}{2}$$

$$\left(-\frac{1}{\sqrt{2}}, -\frac{1}{\sqrt{2}}\right)$$

$$\left(\frac{1}{\sqrt{2}}, -\frac{1}{\sqrt{2}}\right)$$

$$|\psi_{\frac{5\pi}{4}}\rangle$$

$$|\psi_{\frac{7\pi}{4}}\rangle$$

$$(0, -1)$$

$$|\psi_{\frac{3\pi}{2}}\rangle$$

