1.
$$|0, \varphi\rangle = \begin{bmatrix} e^{-i\frac{\eta}{2}\cos^2{\frac{\eta}{2}}} \\ e^{i\frac{\eta}{2}\cos^2{\frac{\eta}{2}}} \end{bmatrix}$$

$$= \begin{bmatrix} e^{-i\frac{\eta}{2}\cos^2{\frac{\eta}{2}}} \\ e^{-i\frac{\eta}{2}\cos^2{\frac{\eta}{2}}} \end{bmatrix} = -(\theta, \gamma)$$

$$= \begin{bmatrix} -e^{i\frac{\eta}{2}\cos^2{\frac{\eta}{2}}} \\ -e^{i\frac{\eta}{2}\cos^2{\frac{\eta}{2}}} \end{bmatrix} = -(\theta, \gamma)$$

$$= (\theta, \gamma) + 2\pi > \frac{1}{2} [\theta, \gamma) + \frac{1}{2} [\theta, \gamma] + \frac{1}{2} [\theta,$$

$$= \begin{bmatrix} -e^{-i\frac{t}{\lambda}} & \sin \frac{\pi}{\lambda} \\ e^{i\frac{t}{\lambda}} & \cos \frac{\pi}{\lambda} \end{bmatrix} \underbrace{cos(\frac{\pi}{\lambda} - \frac{\pi}{\lambda})}_{(i(\frac{t}{\lambda} + \frac{\pi}{\lambda}))} \underbrace{cos(\frac{\pi}{\lambda} - \frac{\pi}{\lambda})}_{(i(\frac{t}{\lambda} - \frac{\pi}{\lambda}))} \underbrace{cos(\frac{\pi}{\lambda} - \frac{\pi}{\lambda})}_{(i(\frac{\lambda} - \frac{\pi}{\lambda}))} \underbrace{cos(\frac{\pi}{\lambda} - \frac{\pi}{\lambda})}_{(i(\frac{t}{\lambda} - \frac{\pi}{\lambda}))$$

$$|\pi + \theta, \varphi\rangle = \left(e^{-\frac{1}{2}} \omega(\frac{\pi}{2} + \frac{\theta}{2})\right)$$

$$= \left(-\frac{e^{-\frac{1}{2}} \sin^2 \theta}{e^{-\frac{1}{2}} \sin^2 \theta}\right) - \left(\frac{\pi}{6}\right)$$

$$= \left(e^{-\frac{1}{2}} \sin^2 \theta\right) - \left(\frac{\pi}{6}\right)$$

5.10.

1.定态存成游方程为:

 $-\frac{4^{2}}{2m}\frac{3^{2}}{3^{2}}+(x)+V_{0}f(x)=EY(x)$

=) - \frac{\frac{\pi_{\sigma}}{2m \sigma_{\sigma_{\sigma}}} \partial_{\sigma}(\pi) = (E-V_0) \partial_{\sigma})

与自由社长的追答注释 没有多度区别

与 新记服多级的:

サe(x)=eikx (k限教設)

对应的扩张能量的:

Ek = the + Vo

2. If f(x) the finite in its f(x) the fourier its f(x) $f(x) = \int C(k) e^{ikx} dk$ Ly: $f(x) = \int C(k) e^{ikx} dk$ $f(x) = \int C(k) e^{ikx} e^{-\frac{i}{\hbar} \frac{k^2}{2m} t} - \frac{i}{\hbar} v_0 t$ $= \int C(k) e^{ikx} e^{-\frac{i}{\hbar} \frac{k^2}{2m} t} - \frac{i}{\hbar} v_0 t$