## 1. Qubit not coupled with Resolution: driving

$$K = -\frac{1}{2} \frac{5}{1000} = \frac{1}{2} \frac{5}{1000} = \frac{$$

$$7\dot{R}R^{\dagger} = \frac{\omega_{n+}}{2} \left( 10K_0 \left( -1 \left( K_1 \right) \right) = \frac{2}{\omega_{n+}} 6^{5}$$

$$E e^{x} K_{t} = e^{-i N^{\alpha} \epsilon} e^{gx} e^{gx} e^{-i N^{\alpha} \epsilon} e^{gx} = \left( e^{-i N^{\alpha} \epsilon} e^{gx} e^{gx} + e^{-i N^{\alpha} \epsilon} e^{gx} \right) \left( e^{gx} e^{-i N^{\alpha} \epsilon} e^{gx} + e^{-i N^{\alpha} \epsilon} e^{gx} \right) \left( e^{-i N^{\alpha} \epsilon} e^{gx} e^{-i N^{\alpha} \epsilon} e^{gx} \right) \left( e^{-i N^{\alpha} \epsilon} e^{gx} e^{-i N^{\alpha} \epsilon} e^{gx} \right)$$

$$\widetilde{H} = RHR^{+} + iRR^{+} = \frac{\omega_{4} - \omega_{8}}{2} c_{2} + A + \frac{e^{-i\varphi} \log (1 + e^{-i\varphi})}{2} \left( e^{-i(\omega_{4} + \varphi)} \left( e^{-i(\omega_{4} + \varphi)} \right) \right)$$

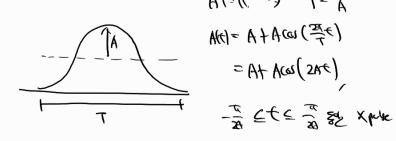
$$= \frac{\omega_{4} - \omega_{4}}{2} c_{2} + \frac{A}{2} \left( e^{i\varphi} \log (1 + e^{-i\varphi}) \log (1 + \varphi) \right)$$

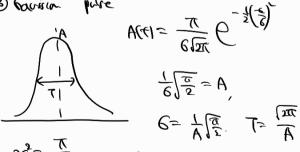
$$\Rightarrow \widetilde{H} = \frac{V}{V} \left( \text{end ex } + \text{ zub } e^{v} \right)$$

$$= \left[ \frac{-i \nu (\frac{5}{4c})}{c^2 (\frac{5}{4c})} - \frac{c^2 (\frac{5}{4c})}{c^2 (\frac{5}{4c})} \right]$$

## 2. shopky

AT=
$$T \Rightarrow T \Rightarrow \frac{\pi}{A}$$
,  $\left[-\frac{\pi}{2A}, \frac{\pi}{2A}\right]$  \$42 X pube





$$\frac{1}{6\sqrt{2}} = A$$

$$6 = \frac{1}{4}\sqrt{2}$$

3, CP, CPMG, UDD segonce



$$=\frac{2\sqrt{6}}{C}\left(\frac{2\sqrt{4}}{2\sqrt{4}}\right)+2\sqrt{\frac{4\sqrt{5}}{2\sqrt{4}}}+2\sqrt{2\sqrt{4}}\frac{2\sqrt{6}}{2\sqrt{6}}=C\frac{5\sqrt{6}}{2\sqrt{6}}-C\sqrt{6\sqrt{6}}$$

$$=\frac{2\sqrt{6}}{C}\left(\frac{4\sqrt{5}}{2\sqrt{4}}\right)+2\sqrt{\frac{4\sqrt{5}}{2\sqrt{4}}}+2\sqrt{2\sqrt{4}}\frac{2\sqrt{6}}{2\sqrt{6}}$$

$$=\frac{5\sqrt{6}}{2\sqrt{6}}\left(\frac{4\sqrt{5}}{2\sqrt{4}}\right)+2\sqrt{\frac{4\sqrt{5}}{2\sqrt{4}}}+2\sqrt{2\sqrt{4}}\frac{2\sqrt{6}}{2\sqrt{6}}$$

$$=\frac{5\sqrt{6}}{2\sqrt{6}}-C\sqrt{6\sqrt{6}}$$

$$=\frac{5\sqrt{6}}{2\sqrt{6}}-C\sqrt{6\sqrt{6}}$$

$$=\frac{5\sqrt{6}}{2\sqrt{6}}-C\sqrt{6\sqrt{6}}$$

$$=\frac{5\sqrt{6}}{2\sqrt{6}}$$

$$\Rightarrow \text{ time } \text{ interval } ?7 \frac{\sqrt[3]{h} \left(\frac{\pi}{2 c_{1} + 1}\right)}{\text{Gr} \left(\frac{\pi}{2 c_{1} + 1}\right)} \text{ Sh} \left(\frac{\pi}{142}\right)$$