Continues time Search Also see

N.C. eq. 6.18

Farhi & Grutmann 1996 & Following

For alt intro

Comp" (6 pages)

i = (4) = H(t) (4)

 $H_{W} = E |W\rangle\langle w| \qquad E \neq 0$ fixed by w fixed by w (oracle) energy Scale $H = H_{W} + H_{D}$ $V_{t=0} = 1S \rangle = E |x\rangle$ $\langle S|W\rangle = \sqrt{1}$ $\langle S|W\rangle = \sqrt{1}$ $\langle r|W\rangle = 0$ $|r\rangle = \frac{157 - x(W)}{\sqrt{1-x^{2}}}; 1s\rangle = \sqrt{x}$

 $H = \begin{bmatrix} 1+x^2 & x\sqrt{1-x^2} \\ x\sqrt{1-x^2} & 1-x^2 \end{bmatrix}$

$$|\mathcal{H}_{E}\rangle = \exp m \left(iH_{E}\right) |\mathcal{H}_{E}\rangle$$

$$= e^{-iEE} \left[\times \cos(Ext) - i\sin(Ext) \right]$$

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