

Closure relation:

$$I = \int |x_{1}|^{2} \times |x_{1}|^{2} \times |x_{1}|^{2} = \int |x_{1}|^{2} \times |x_{1}|^{2}$$

$$|\psi|(x) = e^{i\phi} \psi(x)$$

$$|\psi'(x)|^2 = |\psi'(x)|^2 + |\psi'(x)|^2 = e^{-i\phi} (\psi(x) e^{i\phi} \psi(x))$$

$$|\psi'(x)|^2 = |\psi(x)|^2 + |\psi(x)|^2 + |\psi'(x)|^2 = e^{-i\phi} (\psi(x) e^{i\phi} |\psi(x)|^2 + |\psi(x)|^2$$

AMO: W = 20: _____ Fad

Time - evolution operator |4(t°)> → |A(t)> (4 (+)> = Q (+,+0) [4 (+0)> $\widehat{U}(t,t_0) = (i)$ \widehat{H} is time -independent. $\widehat{U}(t,t_0) = e^{-i\widehat{H}(t-t_0)} \widehat{H}$ (ii) Ît is time-dependent but [Ît (1), Ît (1)] Q (+,+0)=e-i Sati A(+1)/to then