

$$\frac{1}{\sqrt{2}} (10) + 11)$$

$$\frac{1}{\sqrt{2}} (10) + 11) (10) (10) (10)$$

$$\frac{1}{\sqrt{2}} (10) + 11) (10) (10) (10)$$

$$\frac{1}{\sqrt{2}} (10) + 11) (10) (10) (10)$$

$$\frac{1}{\sqrt{2}} (10) + 11) (10) (10)$$

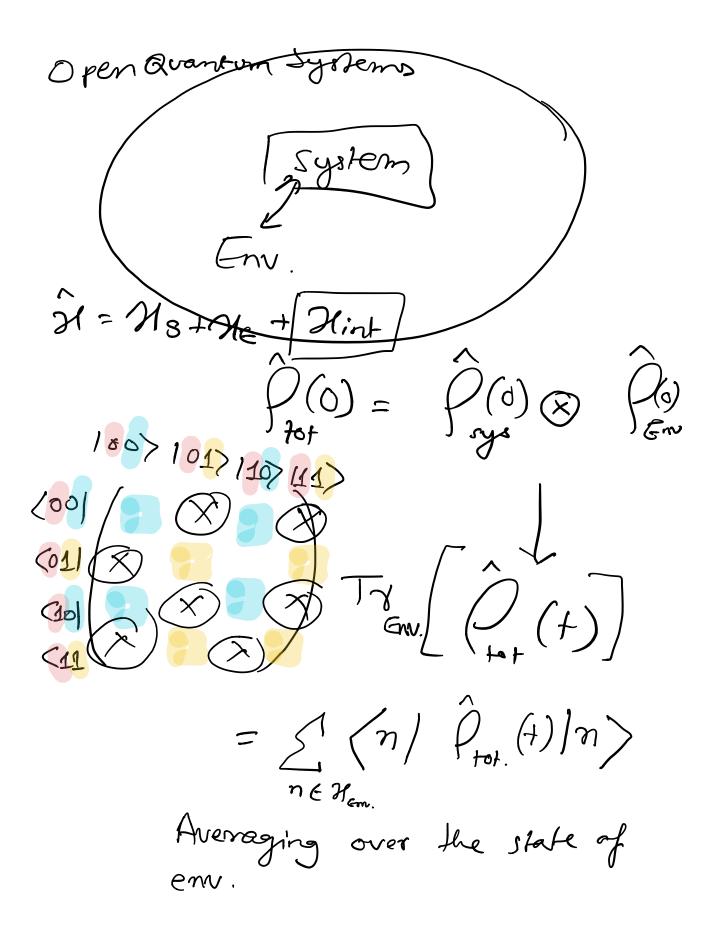
$$\frac{1}{\sqrt{2}} (10) + 11) (10)$$

$$\frac{1}{\sqrt{2}} (10) + 11)$$

$$\frac{1}{\sqrt{2}} (10) + 11)$$

$$\frac{1}{\sqrt{2}} (10) + 11$$

$$\frac{1}{\sqrt{2$$



- Spontaneous emission Gerry & Knight-Introductory Cohen- Tannovdji) (e) Pee Pen) Par = Per 10/01 + Per 10/01 + Pox 19>(e) + Pgg 19>6]

two of frakwolexel tu_{k} $\hat{a}^{t}(w)$ $\hat{a}(\omega)$ $\hat{\sigma}_{+} \hat{\alpha}(\omega) + \hat{\sigma}_{-} \left(\frac{1}{2} \right) \frac{1}{\omega_{k}}$ $\hat{\alpha}^{\dagger}(\omega) 7$

raising
$$\int_{e}^{e} = |e\rangle\langle 9|$$

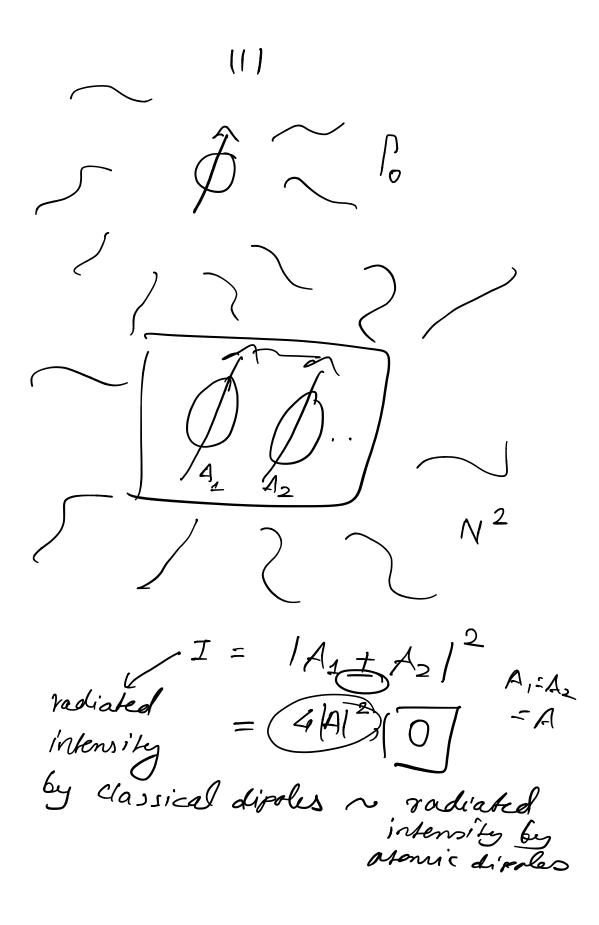
of. $\int_{e}^{e} = |e\rangle\langle 9|$
 $|e\rangle\langle 9$

$$P(t) = |TF(t)\rangle_{AF} = P(t)$$

$$TR_{F} = P(t) = P(t)$$

$$P(t) = P(t)$$

$$P(t)$$



$$I = |A_1|^2 + |A_2|^2 + \dots |A_N|^2$$

$$= N |A|^2$$

$$= N^2 |A|^2 - \sum_{f \text{ direction}}^{Superoadiant}$$

$$= |A_1 + A_2 - \dots A_N|^2$$

$$A_1 = A_2 = \dots A_N = A$$

$$\frac{1}{19} = \frac{1}{19} = \frac{1}{19}$$

1954 R.H. Dicke in Sp. com/ssi'on (ohereneo processes Mandel and Wolf Ovantom Sphics text book $= \int_{n=1}^{N} d_{n} \cdot \hat{E}(x_{0})$

$$(2)_{1}(leg)-lge) \text{ subradiant}$$

$$= \frac{1}{\sqrt{2}}\left(\left(\frac{eg}{-1}-\left(\frac{g}{-1}\right)\right)\left(\frac{1}{d_{1}}+\frac{1}{d_{2}}\right)\right)$$

$$= 0$$