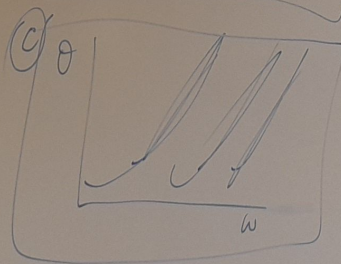
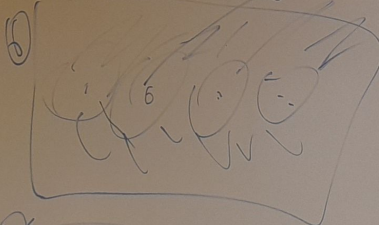
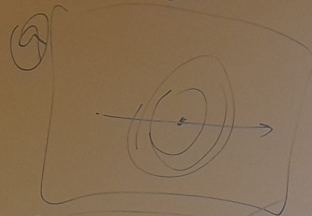


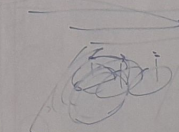
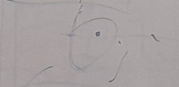
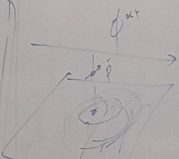
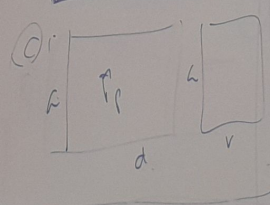
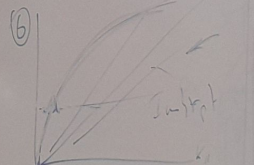
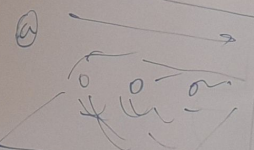
$$\frac{\vec{p} \cdot \vec{r}}{r^3}$$

Fig. 2



free a

Fig. 1



$$\phi(\vec{r}) = \sum_{\vec{r}=\vec{r}_i} \phi(\vec{r}-\vec{r}_i) e^{i\vec{k}\cdot\vec{r}_i}$$

$$N \rightarrow \infty \rightarrow \left(\frac{1}{N} \sum_{\vec{r}} \phi(\vec{r}) \right)$$

$$\phi(\vec{r}) \sim \frac{1}{r^3}$$

$$\vec{r}(\vec{k}) = \int \frac{d\vec{r}}{r^3}$$

$$1/r^3 \sim \frac{1}{r^3}$$

$$\vec{r}(\vec{k}) \sim \vec{E}(\vec{k})$$