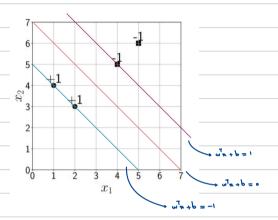
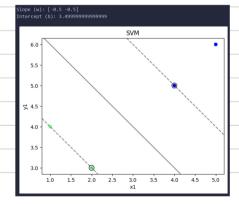


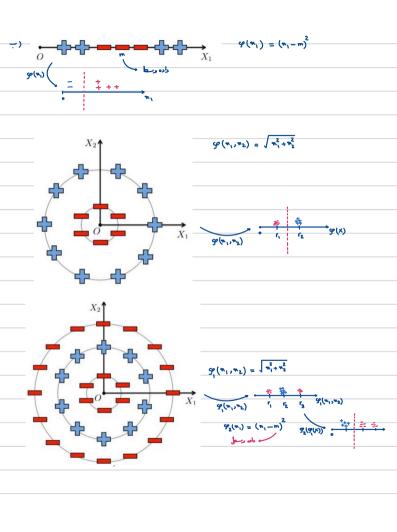
(اٺ











$$\mathcal{M}_{g} = \frac{1}{Q} \sum_{n}^{\infty} g(\mathbf{r}_{n})$$

$$\longrightarrow \underbrace{\int_{\mathbf{r}_{g}}^{\mathbf{r}_{g}} \mu_{g}}_{\mathbf{r}_{g}} = \frac{1}{Q^{*}} \sum_{n}^{\infty} g^{\mathsf{T}(\mathbf{r}_{n})} \sum_{n}^{\infty} g^{\mathsf{T}(\mathbf{r}_{n})} = \frac{1}{Q^{*}} \sum_{n}^{\infty} \sum_{n}^{\infty} g^{\mathsf{T}(\mathbf{r}_{n})} g(\mathbf{r}_{n})$$

$$\longrightarrow \underbrace{\int_{\mathbf{r}_{g}}^{\mathbf{r}_{g}} \mu_{g}}_{\mathbf{r}_{g}} = \frac{1}{Q^{*}} \sum_{n}^{\infty} \sum_{n}^{\infty} \underbrace{\int_{\mathbf{r}_{g}}^{\mathbf{r}_{g}} g^{\mathsf{T}(\mathbf{r}_{n})} g(\mathbf{r}_{n})}_{\mathbf{r}_{g}} = \frac{1}{Q^{*}} \sum_{n}^{\infty} \sum_{n}^{\infty} \underbrace{\int_{\mathbf{r}_{g}}^{\mathbf{r}_{g}} g^{\mathsf{T}(\mathbf{r}_{n})} g(\mathbf{r}_{n})}_{\mathbf{r}_{g}} = \frac{1}{Q^{*}} \sum_{n}^{\infty} \sum_{n}^{\infty} \underbrace{\int_{\mathbf{r}_{g}}^{\mathbf{r}_{g}} g^{\mathsf{T}(\mathbf{r}_{n})}_{\mathbf{r}_{g}} g(\mathbf{r}_{n})}_{\mathbf{r}_{g}} g(\mathbf{r}_{n}) g(\mathbf{r}_{n})}$$

$$\longrightarrow \underbrace{II \int_{\mathbf{r}_{g}}^{\mathbf{r}_{g}} I = \frac{1}{Q^{*}} \sum_{n}^{\infty} \sum_{n}^{\infty} \underbrace{\int_{\mathbf{r}_{g}}^{\mathbf{r}_{g}} g^{\mathsf{T}(\mathbf{r}_{n})}_{\mathbf{r}_{g}} g(\mathbf{r}_{n})}_{\mathbf{r}_{g}} g(\mathbf{r}_{n}) g(\mathbf{r}_{n})}$$

$$|k(w,w)| = \langle w,w \rangle = ||w||^c$$

$$|\kappa(w,w)| = \langle w,w \rangle = ||w||^2$$

$$k(x,y) = \varphi(x)\varphi(y) = \langle x, x \rangle = ||x||$$

$$K(w,y) = \varphi(w)\varphi(y) = \langle \varphi(w), \varphi(y) \rangle$$

$$|\langle (w,y) - \langle w,w \rangle - ||w||^2$$



