QM-3

1 Monday

随堂作业- 证明: $\overline{\mathbf{p}} = (\psi, \widetilde{\mathbf{p}}\psi) = \int \mathbf{p}|\psi(\mathbf{p})|^2 \mathrm{d}\mathbf{p}$

证明：已知

$$\overline{\mathbf{p}} = \int \psi^*(\mathbf{r})\hat{\mathbf{p}}\psi(\mathbf{r})\mathrm{d}^3\mathrm{r}$$

将算符$\hat{\mathbf{p}} = -\mathrm{i}\hbar\nabla$

2 Thursday

PB12203077　吴奕涛
September 24, 2014