

References

- ***Quantum Physics***
Stephen Gasiorowicz, 3rd edition (Wiley)
- ***Quantum Physics***
Berkeley physics course - volume 4/ Wichmann (McGraw-Hil)
- ***Introduction to quantum mechanics***
Griffiths (Prentice Hall)
- “費曼物理學講義 III —量子力學”
高湧泉譯 (天下文化, 2006)

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