

Number:

Name:

Exercise 6 (deadline: June 30, 10:30 am, 2026)

- 1) Show Eq. (210).
 - 2) Show Eq. (217). Here, $|\Psi^*\rangle$ denotes the column vector whose components are the complex conjugates of those of $|\Psi\rangle$.
 - 3) Show Eq. (218).
 - 4) Show Eq. (219).
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