

Problem Set 6

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I TIME-DEPENDENCE OF SPIN OPERATORS IN HEISENBERG PICTURE

A

B

C

II QUANTUM VIRIAL THEOREM

A

B

C

III SAKURAI 2.17: SIMPLE HARMONIC OSCILLATOR IN MOMENTUM SPACE

A

B

C

IV UNCERTAINTY RELATION FOR EIGENSTATES OF THE SIMPLE HARMONIC OSCILLATOR

V TIME-DEPENDENCE OF SIMPLE HARMONIC OSCILLATOR STATES

A

B

C