

Physics 129a
Problem Set Number 4
Due Tuesday, October 27, 2009

Reading: The course note on “Hilbert Spaces” on the web.

14. Integral equation practice: Exercise 19 in the Integral Equations course note.
15. Exercise on topology: Exercise 1 in the Hilbert Spaces course note.
16. Exercise on topology: Exercise 2 in the Hilbert Spaces course note.
17. A variation on our integral equations: Exercise 11 in the Integral Equations course note.
18. Exercise on scalar products: Exercise 5 in the Hilbert Spaces course note.