

Phys 402
Spring 2019
Homework 7
Due Friday, April 5, 2019 @ 9 AM

1. Griffiths, 2nd Edition, Problem 9.4 or Griffiths, 3rd Edition, Problem 11.5
[what if time-dependent perturbation matrix is not diagonal?]
2. Griffiths, 2nd Edition, Problem 9.7 or Griffiths, 3rd Edition, Problem 11.9
[Rabi flopping]
3. Griffiths, 2nd Edition, Problem 9.8 or Griffiths, 3rd Edition, Problem 11.10
[Spontaneous vs. stimulated emission comparison]
4. Griffiths, 2nd Edition, Problem 9.10 or Griffiths, 3rd Edition, Problem 11.12
[half-life vs. lifetime]