Supervision 20 Jiachen Jiang

Read the following sections of the handouts:

Part 7-8 (to Page 209)

Problem Sheet – Q19-24

Tips for Q19

If you have trouble with Q19, start with the first question in Q20 and think about the following questions.

- 1. What is the self-inductance of a solenoid of length / and ^ turns per unit length?
- 2. What is the self-inductance of a circular conductor, e.g., a solenoid with only 1 turn?
- 3. Instead of a circular loop, think of a rectangle loop with current *I*? The width of the rectangle is 2*d*. The length of the rectangle is *L*, which is much longer than *d*.