

Phys332/Homework

Due on Thursday 21/10/2021

- 1) Find the self-inductance of a square loop of edge length a .
- 2) Find the mutual conductance of a long straight wire and a ring of the radius R that are located in the same plane. The distance from the wire to the center of the ring is $d > R$.

Additional recommended Problems (do not hand in your solution for them):

7.44

7.53

7.54

7.57

7.59