



Figure 1: Toroid cross section.

Physics 721 Homework 10

Assigned: Tue 3/29/05

Due: Mon. 4/04/05

1. Determine the self inductance of a toroidal solenoid with the dimensions pictured in Fig. 1. Assume that there are total of N turns of wire making up the solenoid.
2. Jackson 5.28
3. Jackson 7.1