

Test 1 - Electromagnetism (7P)

The following tasks consider a coreless coil with $N = 180$ turns, the radius $r = 0.02\text{m}$ (or $r = 2 * 10^{-2}\text{m}$ and the length $l = 0.14\text{m}$.

Calculate the Inductivity of the coil. (3P)

Calculate the magnetic resistance R_m of the coil. (4P)