**Coil Wire Length – Back of the Envelope Estimate**

Back-of Envelope-Estimate is determined by using the given inner diameter of 1.25 inches

Estimating the thickness of the coil to be 0.375 in.

Estimating the average diameter \((1.25 + 0.375/2 = 1.4375 \text{ in})\)

Calculated the circumference \(\times 200\) - Length of wire

The data is the same for all coils, A, B, C, D