

Transformer Terms

We talk about

Primary coil (the first one - connected to a.c. voltage)

Secondary coil (the second one - voltage is induced)

Number of turns - number of "loops" of wire in coil

Transformer Terms

We talk about

N_p - the number of turns on the primary coil

N_s - the number of turns on the secondary coil

V_p - the voltage applied to the primary coil

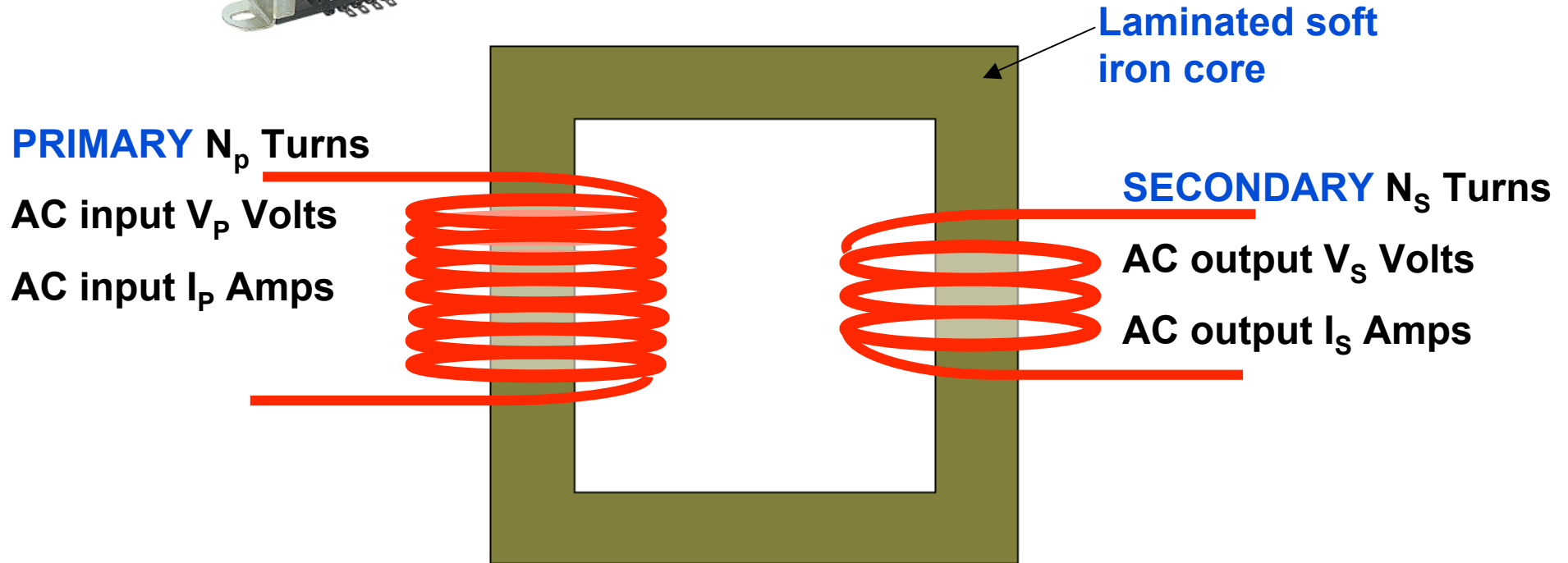
V_s - the voltage induced across secondary coil

I_p - the current in the primary coil

I_s - the current in the secondary coil



THE TRANSFORMER



$$\frac{V_S}{V_P} = \frac{N_S}{N_P} = \frac{I_P}{I_S}$$