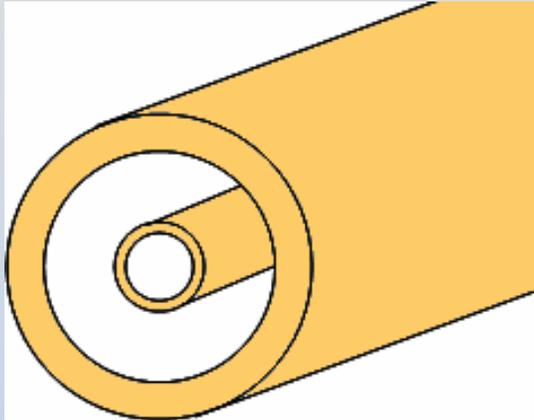
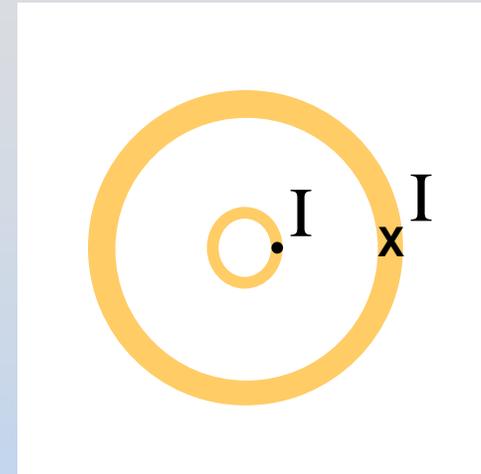


# Group Problem: Coaxial Cable



Inner wire:  $r = a$

Outer wire:  $r = b$



1. How much energy is stored per unit length?
2. What is inductance per unit length?

HINTS: This does require an integral

The EASIEST way to do (2) is to use (1)