

ELEC-E4130

Lecture 14: Vector potential on a coax line

Ch. 9 recap

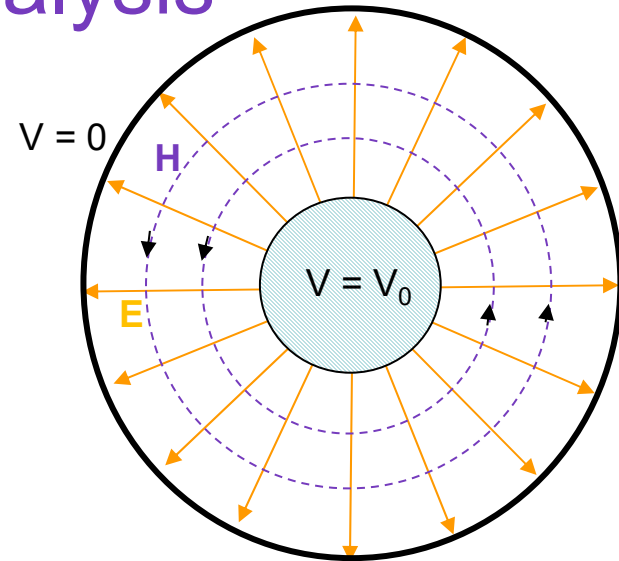
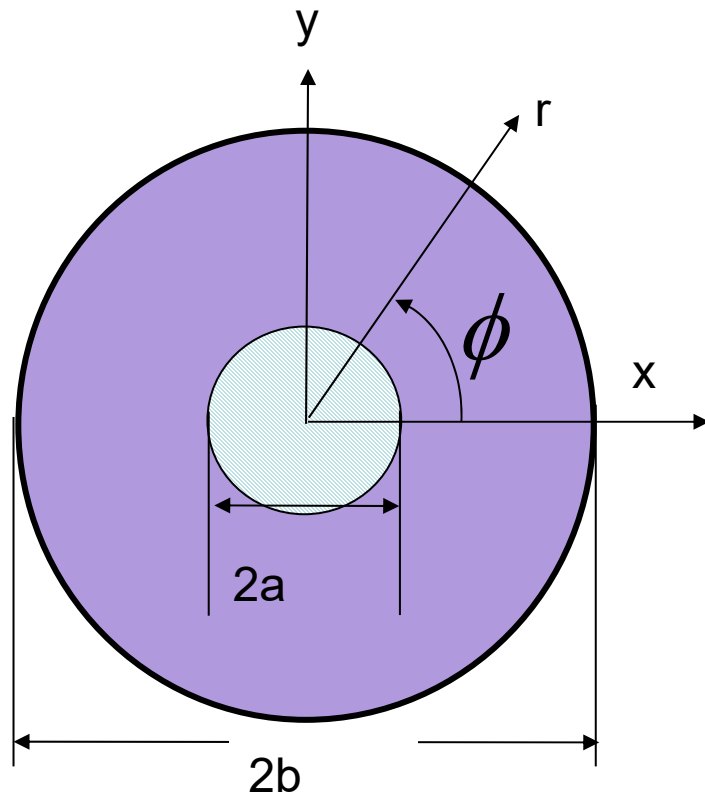


Aalto University
School of Electrical
Engineering

ELEC-E4130 / Taylor

Nov. 04, 2021

EX. Coax transmission line analysis



- What impedance supports the maximum **peak voltage** and **RMS power** on a coax transmission line?
 - Find V
 - Find vector field E from V
 - Find I from V
 - Find Z from I and V
 - Take derivatives vs. dimensions