

Problem 2 Purpose:

Use COMSOL to evaluate the heat transfer at the outside radius by computing the node temperatures using the given values. Subtract 0.05 from Purpose, missing actual equations.

Data and Variables: Subtract .01 from Data variables, missing "Description".

Selection

Geometric entity level	Entire model
------------------------	--------------

Name	Expression	Unit	Description
ko	10[W/(m*K)]	W/(m*K)	
go	1e6[W/m^3]	W/m^3	
h_conv	200[W/(m^2*K)]	W/(m^2*K)	
Tinf	100[degC]	K	
a	0.02[m]	m	
b	.05[m]	m	