

MET340 HW #3.3 Question #27

Report date	Aug 3, 2026 8:44:22 PM
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1 Global Definitions

Date	Aug 3, 2026 8:10:41 PM
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Global settings

Name	Untitled.mph
COMSOL version	COMSOL 5.1 (Build: 145)
Unit system	SI

Used products

COMSOL Multiphysics

1.1 Parameters 1

Parameters

Name	Expression	Value	Description
Lwall	0.20[m]	0.2 m	
Alpha	5e-7[m^2/s]	5E-7 m ² /s	
Ti	300[degC]	573.15 K	
Ts	50[degC]	323.15 K	
k0	1[W/(m*K)]	1 W/(m·K)	
rho0	2000[kg/m^3]	2000 kg/m ³	
Cp0	1000[J/(kg*K)]	1000 J/(kg·K)	