

# Biot Number

Conduction  
Dominated

Semi-Infinite  
Solid with  
Constant  
Surface  
Temperature

100

10

Unidirectional  
Conduction  
Solutions as Series

Early Regime

Late Regime

0.01

0.1

1,1

10

100

Fourier Num

Solutions as  
combination of  
Exp and Erf  
functions

0.1

Lumped  
Heat Capacitance  
Method

0.01

Convection  
Dominated

