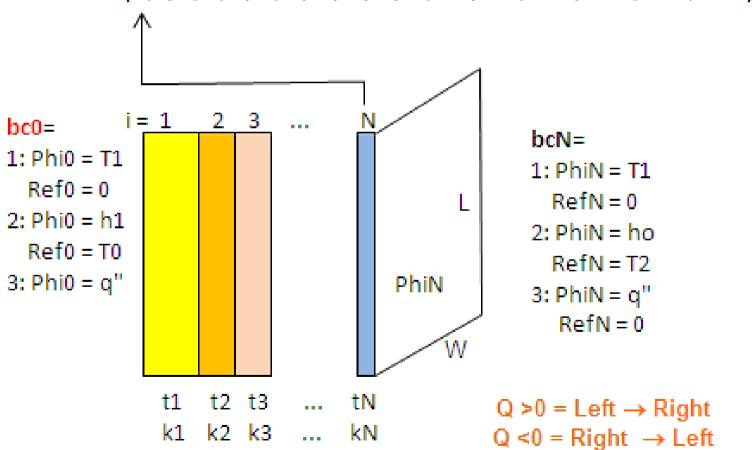
Conductive Heat Transfer

Quick Calculation for 1D Heat Flow

Conductive Heat Transfer: Composite Slabs

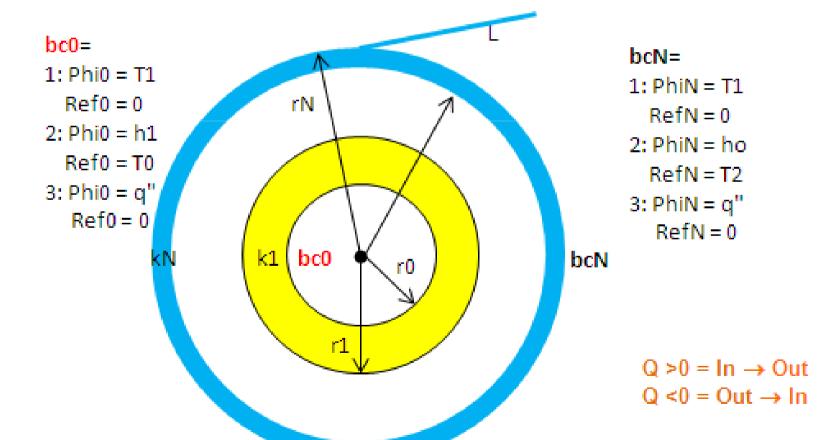
Q = 159.836 [W] 128.69|_____126.56|____110.57|____|83.93 HTR1(N,L,w,t1,t2,...,tn,k1,k2,...,kn,bc0,bcN,Phi0,PhiN,Ref0,RefN)



Conductive Heat Transfer: Composite Pipes

 $Q = 60.041 [W] 79.04 _____ 78.51 ____ [33.49]$

HTR2(N,L,r0,r1,r2,...,rn,k1,k2,...,kn,bc0,bcN,Phi0,PhiN,Ref0,RefN)



Features of the Program

- The number of slabs can be defined as function argument
- Use of consistent unit will yield consistent Heat Flow Rate and Temperature
- Temperature at interface also printed along with the Heat Flow Rate
- Boundary Conditions flag to choose between Specified Temperature Vs. Specified HTC.