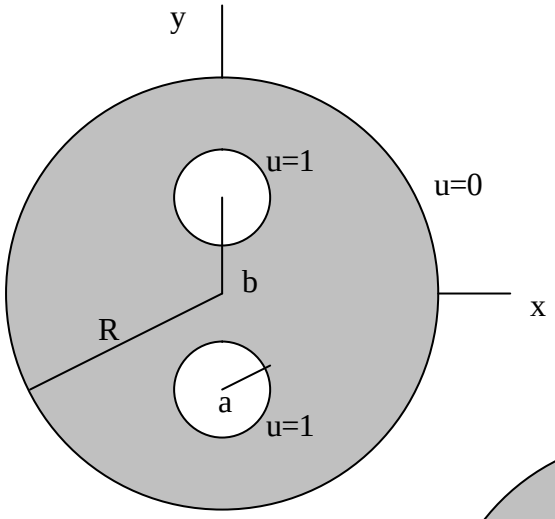
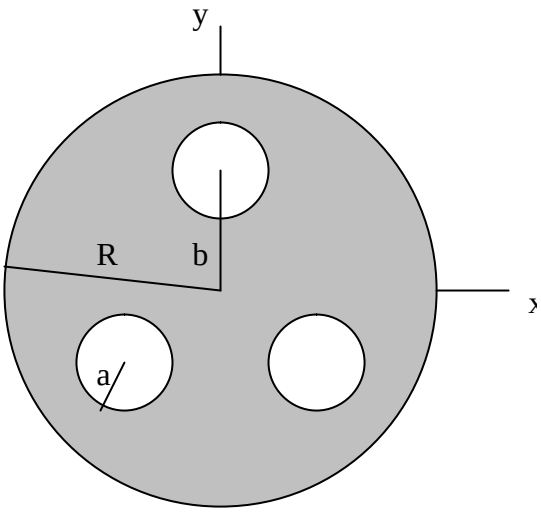
程式 100 Heat Conduction in Regions with Multiply Circular Holes

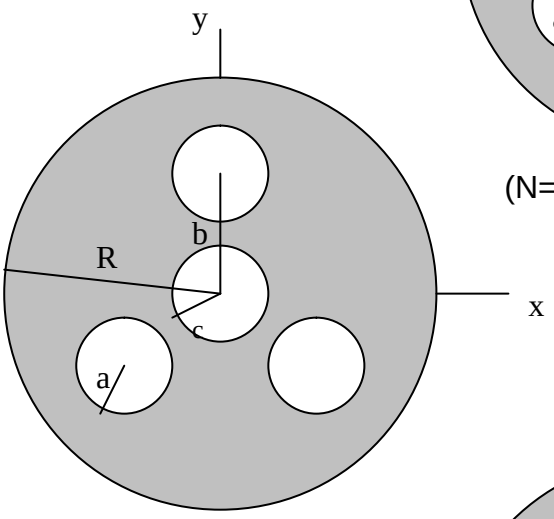
Governing equation： $\nabla^2 u = 0$



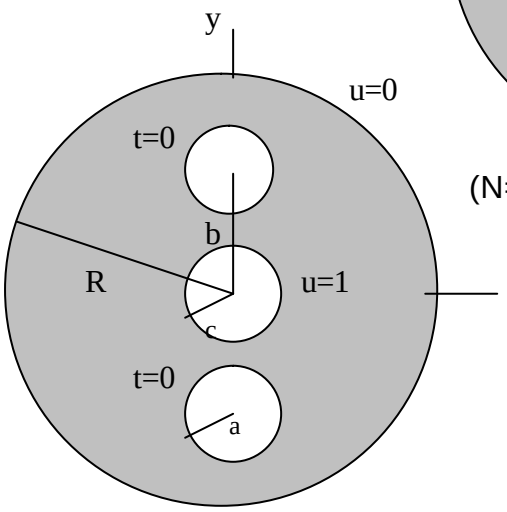
(N=2, a/R=0.25, b/R=0.5)



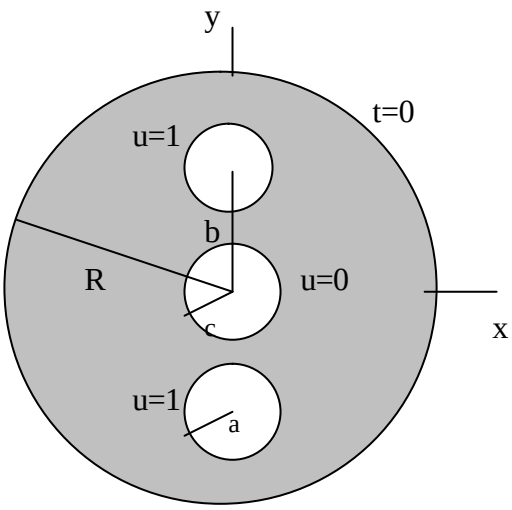
(N=3, a/R=0.25, b/R=0.5)



(N=3, a/R=c/R=0.2, b/R=0.6)



(N=2, a/R=c/R=0.2, b/R=0.6)



(N=2, a/R=c/R=0.2, b/R=0.6)

Reference

D. A. Caulk, “Analysis of Steady Heat Conduction in Regions with Circular Holes by a Special Boundary-integral Method,” IMA Journal of Applied Mathematics(1983)30, 231-246.