

程式 91 Laplace problem- Two holes

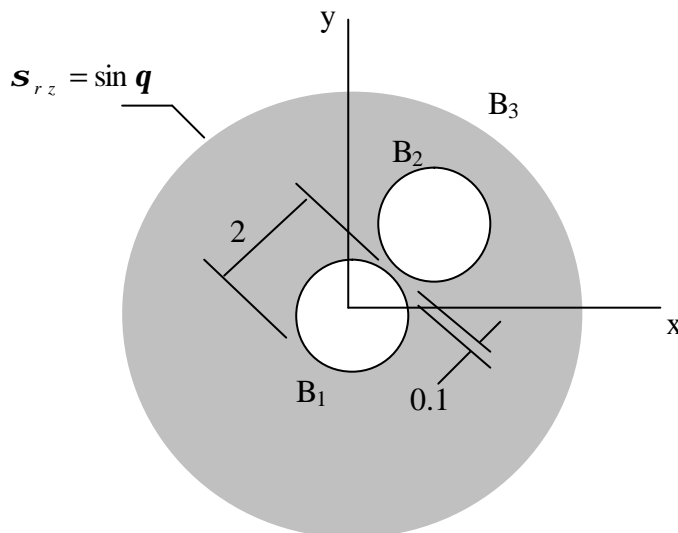
Governing equation : $\nabla^2 u = 0$

Boundary condition : $u = 0$ on B_1

$u = 0$ on B_2

$u = \sin \mathbf{q}$ on B_3

Analytical solution : $T^{(k)}(R_k, \mathbf{q}_k) = A^{(k)}(R_k, \mathbf{q}_k) + \sum_{\substack{j=0 \\ j \neq k}}^{NH} D^{(k,j)}(R_k, \mathbf{q}_k)$



Reference

Honein, E., Honein, T., and Herrmann, G., 1991, "On Two Circular Inclusions in Harmonic Problem," J. Quarterly of Applied Mechanics, to appear.