

程式 76 Eigenproblems

1. $\nabla^2 u = \lambda u, \quad x \in D$
 $u = 0, \quad x \in B$
2. $\int_B U(s, x) f(s) dB(s) = \lambda f(x), \quad x \in B$
3. $[U]_{\tilde{x}} = \lambda \tilde{x}$
4. $[U(\lambda)]_{\tilde{y}} = 0$
5. $\nabla^2 u = 0, \quad x \in D$
 $\frac{\partial u}{\partial n} = \lambda u, \quad x \in B$

Use BEPO2D program, find the possible eigenvalue and eigenfunction for circular and ellipse cases.