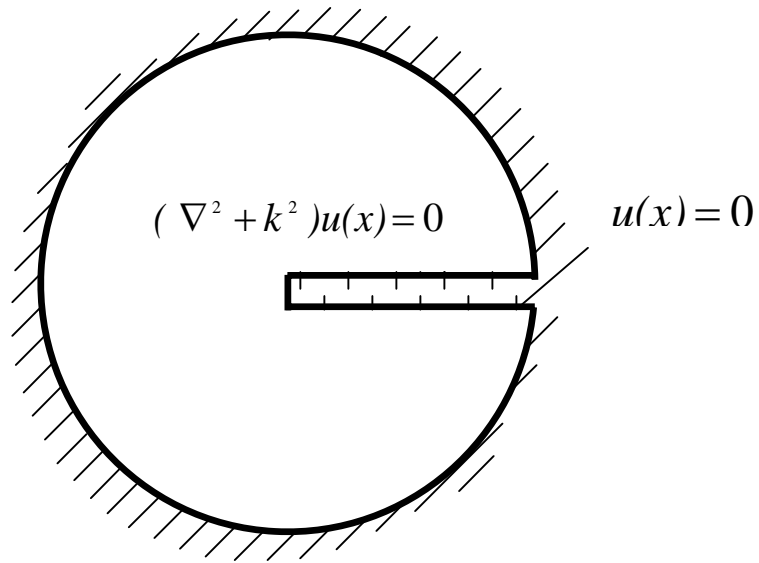


程式 37 含退化邊界特徵值問題



Using the complex-valued BEM, we have

$$[U] \longrightarrow S_i(k) \begin{array}{c} \uparrow \\ S_1, S_2, S_3, S_4, S_5 \\ \longrightarrow \\ k \end{array}$$

$$[T] \longrightarrow S_i(k) \begin{array}{c} \uparrow \\ S_1, S_2, S_3, S_4, S_5 \\ \longrightarrow \\ k \end{array}$$

$$\begin{bmatrix} U^H \\ T^H \end{bmatrix} \longrightarrow S_i(k) \begin{array}{c} \uparrow \\ S_1, S_2, S_3, S_4, S_5 \text{ (濾假)} \\ \longrightarrow \\ k \end{array}$$

$$\begin{bmatrix} U \\ L \end{bmatrix} \longrightarrow S_i(k) \begin{array}{c} \uparrow \\ S_1, S_2, S_3, S_4, S_5 \text{ (求真)} \\ \longrightarrow \\ k \end{array}$$

References

- [1] J.T. Chen, S.R. Lin, K.H. Chen, I.L. Chen, S.W. Chyuan, Eigenanalysis for membranes with stringers using conventional BEM in conjunction with SVD technique, Comput. Methods Appl. Mech. Engrg. 192 (2003) 1299-1322.