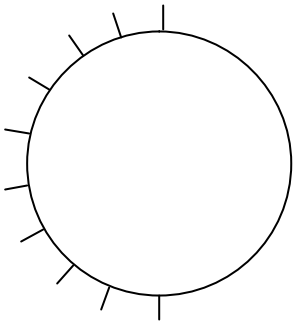
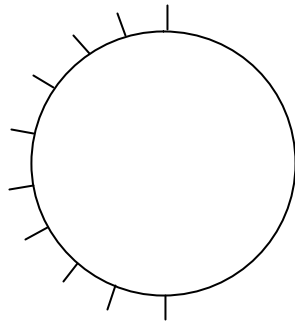


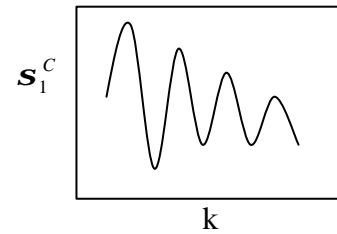
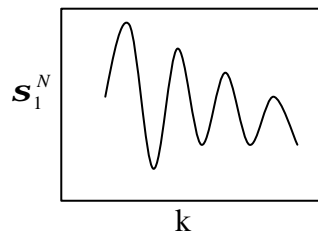
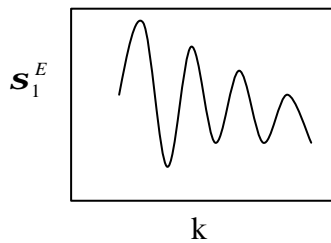
程式 70 Mixed-type eigenproblem using meshless method (plate)

U- formulation	M-V formulation
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> $u = 0$ $\mathbf{q} = 0$ $m = ?$ $v = ?$ </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%;"> $m = 0$ $v = 0$ $u = ?$ $\mathbf{q} = ?$ </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> $u = 0$ $\mathbf{q} = 0$ $m = ?$ $v = ?$ </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%;"> $m = 0$ $v = 0$ $u = ?$ $\mathbf{q} = ?$ </div> </div>
$[A] \begin{Bmatrix} p \\ q \end{Bmatrix} = 0$	$[B] \begin{Bmatrix} p' \\ q' \end{Bmatrix} = 0$



$$[C] = \begin{bmatrix} A^T \\ B^T \end{bmatrix}$$

示意圖



References:

- 【1】 T. W. Lin, Spurious eigenvalues and fictitious frequencies for acoustic problems with the mixed-type boundary conditions by using BEM, Master thesis, Department of Harbor and River Engineering National Taiwan Ocean University, Keelung, Taiwan, 2003.