

## 程式 112 單連通內外域問題之邊界效應

Method		
BEM (小宏)	$\frac{\partial u}{\partial r} - \varepsilon$	
	$\frac{\partial u}{\partial \theta} - \varepsilon$	
MFS (小宏)	$\frac{\partial u}{\partial r} - \varepsilon$	
	$\frac{\partial u}{\partial \theta} - \varepsilon$	
New MFS (小宏)	$\frac{\partial u}{\partial r} - \varepsilon$	
	$\frac{\partial u}{\partial \theta} - \varepsilon$	
Null-field BIE (吳安傑)	$\frac{\partial u}{\partial r} - \varepsilon$	
	$\frac{\partial u}{\partial \theta} - \varepsilon$	

### References

1. D.L. Young, K.H. Chen, C.W. Lee, Novel meshless method for solving the potential problems with arbitrary domain, Journal of Computational Physics 2005;209;290-321.
2. J.T. Chen, W.Ch. Shen, A.Ch. Wu, Null-field Integral Equations for Stress Field around Holes under Antiplane Shear, Engineering Analysis With Bound Elements, Accepted, 2005.
3. J. T. Chen, C. C. Hsiao and S. Y. Leu., 2005, Null-field integral equation approach for plate problems with circular holes, ASME, J. Appl. Mech., Accepted, 2005.
4. J.T. Chen, W.Ch. Shen, A.Ch. Wu, Null-field Integral Equation Approach for Stress Field around circular inclusion under Antiplane Shear, in preparation.