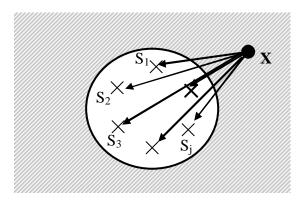
程式 56 MFS(外域問題)



Using MFS by the approximation,

$$u(x) = \sum_{j=1}^{M} c_j \ln |\widetilde{x} - \widetilde{s}_j|$$

please solve and plot the contour for the exterior Laplace problem by using

(1).
$$M = 5$$
, $u(q) = \cos(3q)$, $x \in B$

(2).
$$M = 9$$
, $u(q) = \cos(3q)$, $x \in B$

References:

[1] J.T. Chen, I.L. Chen, C.S. Wu, On the equivalence of MFS and Trefftz method for Laplace problems, Global Chinese Workshop on Boundary Element and Meshless Methods, Qinhuandao, 2003.

【日期:2003/03/31 檔名:BEPROG56.doc 】