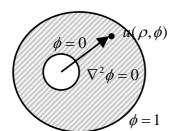
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國立台灣海洋大學河海工程研究所無網格法第七次作業



Small circle: |z| = 1

Large circle: |z-1| = 2.5

Please solve the multiply-connected problem by using Trefftz method and MFS.

Exact solution:

$$u(\rho,\phi) = \frac{1}{2\ln 2} \ln\{\frac{16\rho^2 + 1 + 8\rho\cos\alpha}{\rho^2 + 16 + 8\rho\cos\alpha}\}$$

【 無網格法第七次作業,日期:2003/04/01 檔名: meshhw07.doc 】