

班級：\_\_\_\_\_ 學號：\_\_\_\_\_ 姓名：\_\_\_\_\_

國立台灣海洋大學河海工程研究所 BEM 2006 第 5 次作業

In the course, we have derived the constraint among  $u(0)$ ,  $u(1)$ ,  $t(0)$  and  $t(1)$  by using the integral equation for the domain point approaching boundary ( $s = 0^+$  and  $1^-$ ) for UT and LM formulations.

Please derive the constraint by the null-field integral equations approaching boundary ( $s = 0^-$  and  $1^+$ ) for UT and LM formulations.