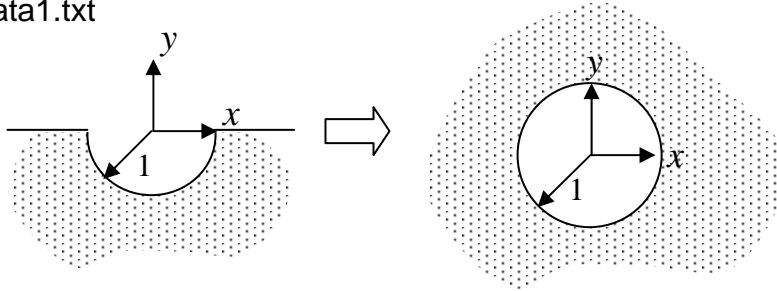


Easy manual of Helmholtz program for circular boundaries

[Step 1] Data preparation (各圓邊界之圓心及內外定義)

→data1.txt

ex:



編號	半徑	圓心 X 座標	圓心 Y 座標	佈點位置(判斷大小)
1	1	0	0	0.99999

[Step 2] Run `density.for` (Calculation for the boundary density on each circular boundary)

Input

- ①. circular=? (圓洞數)
- ②. $M = ?$
- ③. $k = ?$ (1.起始 2.終點 3. Δk)

Output

- ①. t.txt ($p_0, p_1, q_1, \dots, p_N, q_N$)
- ②. u.txt ($a_0, a_1, b_1, \dots, a_N, b_N$)

[Step 3] Run `potential.for` (Calculate the potential for the domain points)

Input

- ①. circular=? (圓洞數)
- ②. $M = ?$
- ③. $k = ?$

Output

potential.txt