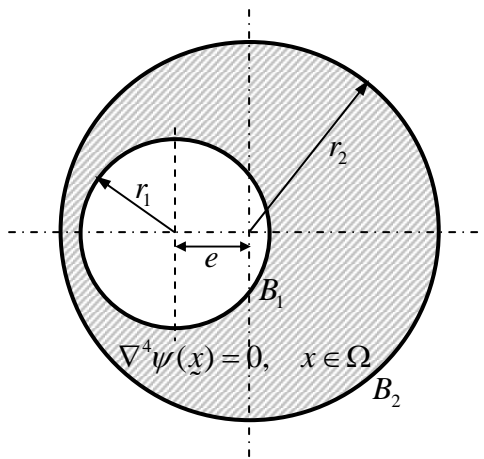


Flow between Eccentric Rotating Cylinders (Case 2)



Geometry Conditions:

$$r_1 = 0.5$$

$$r_2 = 1$$

$$e = 0.4$$

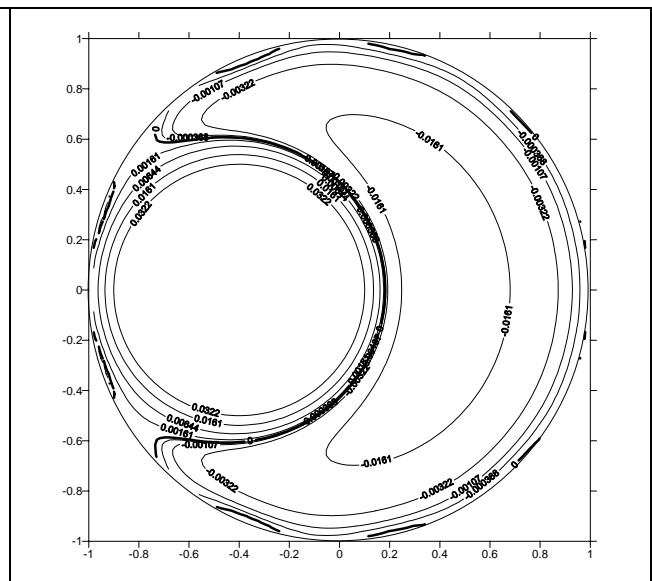
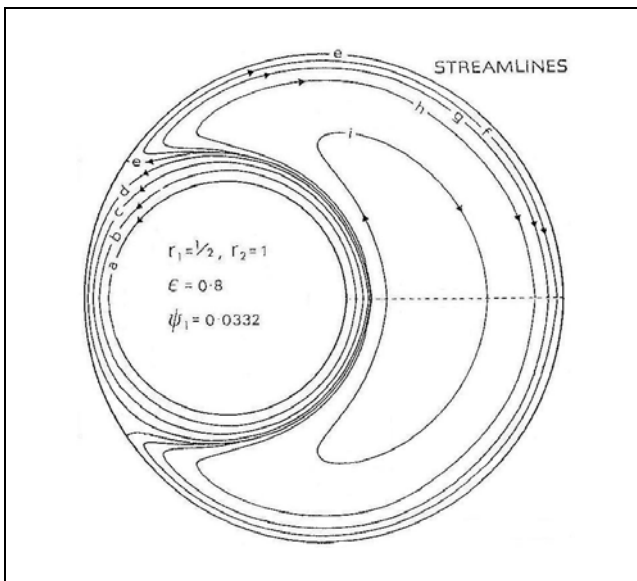
Governing Equation:

$$\nabla^4 \psi(x) = 0, \quad x \in \Omega$$

Boundary Conditions:

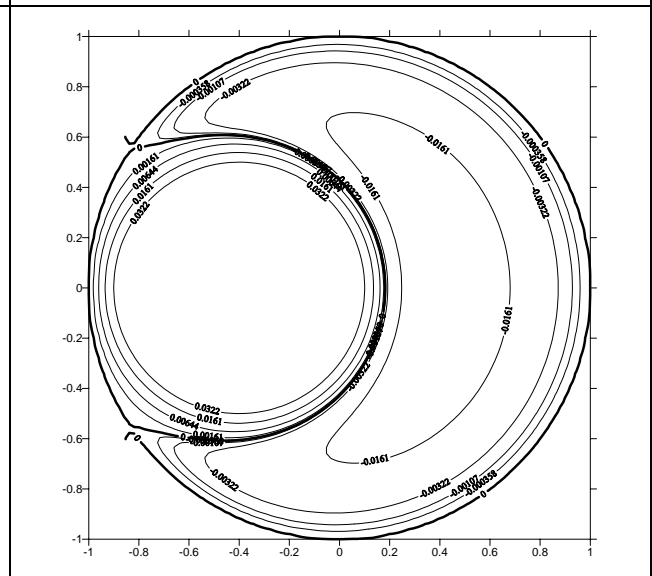
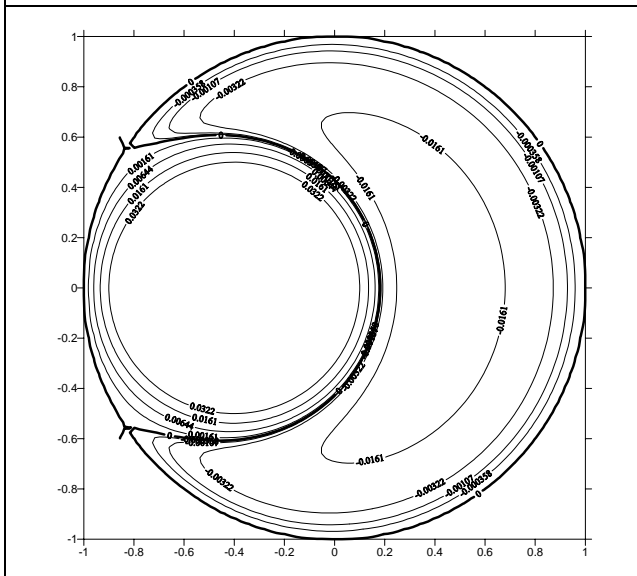
$$\psi = \psi_1 = 0.0322 \quad \text{and} \quad \frac{\partial \psi}{\partial n} = \Omega_1 r_1 = 0.5 \quad \text{on } B_1$$

$$\psi = 0 \quad \text{and} \quad \frac{\partial \psi}{\partial n} = 0 \quad \text{on } B_2$$



Numerical solution []

BIEM (M=10)



BIEM (M=20)

BIEM (M=40)