Homework #9

Undergraduate student

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2D Laplace's equation simulation

1. Setting structure to simulate.

Empty circles : Bulk nodes

Black circles : Homogeneous Neumann boundary condition

Blue circles : Zero values
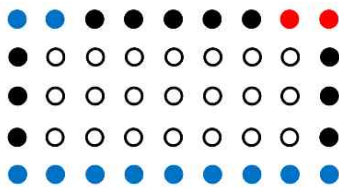
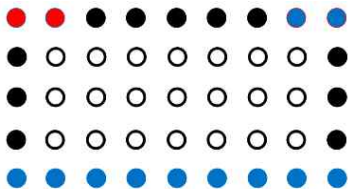Red circles : Unity values (The value is 1)

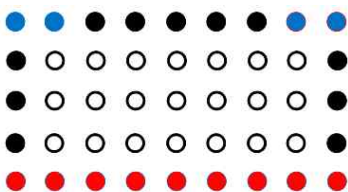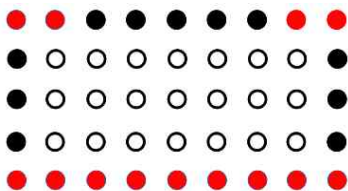Fig 1. Case 1.

Fig 2. Case 2.
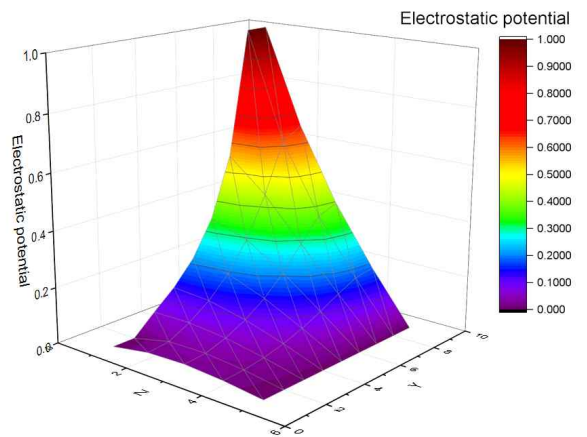

Fig 3. Case 3.

Fig 4. Case 4.
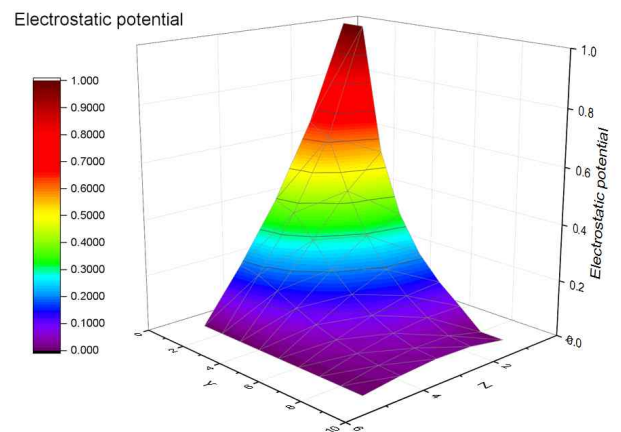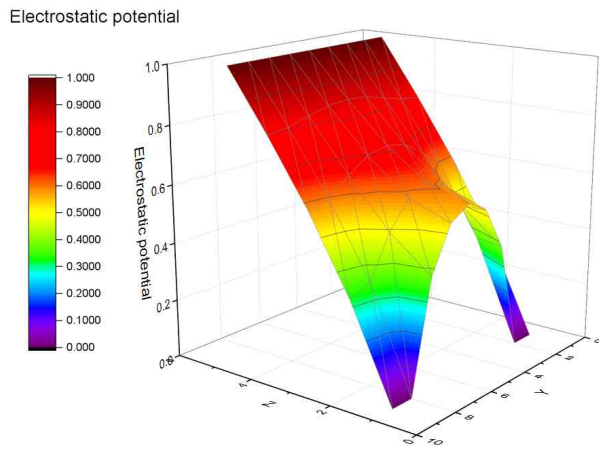
2. Result

Fig 5. Result of case 1.
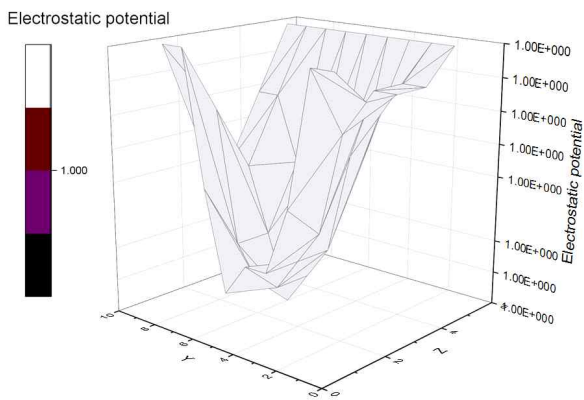

Fig 6. Result of case 2.

Fig 7. Result of case 3.

Fig 8. Result of case 4.