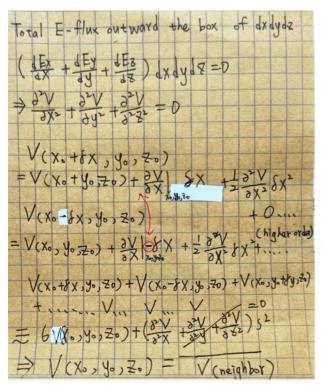
General Physics A (II) – Spring Semester 2019 Homework Set 3

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1.



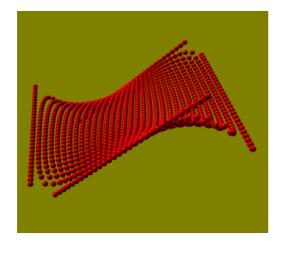
2.

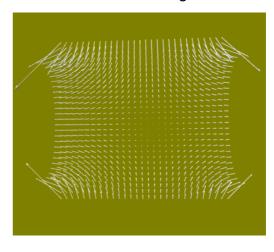
When we set V1,V2,V3,V4 as following:

 $V[(0,\,0)] = 5V \quad V[(0,\,30)] = -10V \quad V[(30,\,30)] = -15V \quad V[(30,\,0)] = 0V$

The right profile represents the potential distribution within the hollow region.

The left profile represents the field distribution within the hollow region.





Code explanation: