**Lab 9: simulation of boundary dominated flow**

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***Abstract*** *“This report covers the comparison of a simulation result versus an analytic solution by using consistent refinement approach and reducing truncation errors by a factor of 4 repeatedly.”*

***Keywords:*** *simulation, analytic solution, truncation error*

1. **Introduction**

The goal of this lab is to use a provided Python code and a provided Excel sheet with modifications to create several analytic solutions and a simulation of boundary dominated flow for comparison.

1. **Experimental Procedure**

**3. Results and Analysis**

1. **Conclusions**