

Daily Research Report

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1 Current Research Direction

The goal today was to finish running SWIRL for the Method of Manufactured Solution and gather all data for the two test cases. One for an annular duct, one for a cylindrical duct.

2 Research Performed

Worked on the body of the MMS report, but I went back to make sure I have all the data needed for both cases.

3 Issues and Concerns

My current draft of my methods, and procedure is okay but needs a better results and discussion section.

4 Planned Research

- MMS for the two cases have to have all the data that is needed
- Solution Validation for a case of my choosing. I chose one that is simple but has not been done before (in the literature that I read)