

Notes on meetings ASC 2021

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What is this?

What I remember from each meeting.

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General Notes

1. $p = p_{hydrostatic}$ will not work. It does not account for dynamic pressure terms. We need a more complex method for this
2. Read some engineering texts on how they typically deal with these pressure terms
3. Look at the stream function approach in 2D. Should be pretty simple to code this up. Look at the affect of the inner boundry on results of the code.
4. Read the two papers on the lattice-boltzman method. Might look at solving the full 3D problem like this

Main Goals

1. A broad understanding of how other people solve these problems
2. A simple 2D simulation
3. An approximate path for solving this problem