

CS348C Project 3

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I implemented the angular momentum conservation for the apic implementation in the code. The project on the whole was straightforward – after understanding the code the implementation was fine given the paper and resources from class. The longest bug I had was that I usually index matrices [row][column] instead of [x][y] so flipped some indices at first. Once I fixed that everything worked great as far as I can tell. There seems to be a lot of vortices especially in the neutron star-like example.

There is an "outpic" folder with the medium drop results in the code folder, as well as "outpic" for pic with medium drop. "outpic_neutron" shows the neutron star-like example. Running the code should be the same as in the starter code configuration. Changes in code were made only where "TODOs" were, so should be straightforward to find. I believe I left all the "TODO" statements in as well for ease of finding them.

I worked alone on this project and used only the resources linked to in the project assignment and lecture notes.