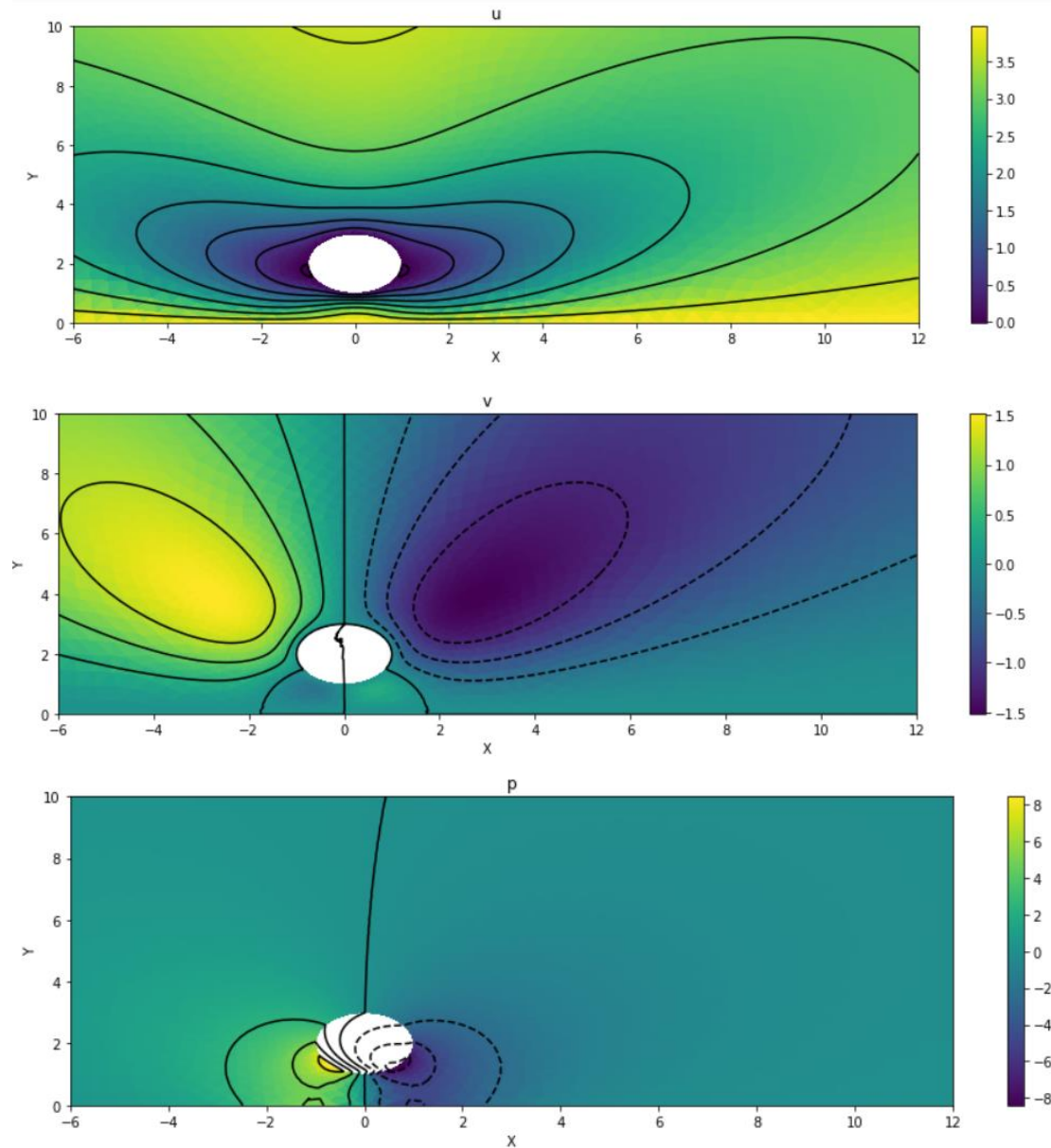


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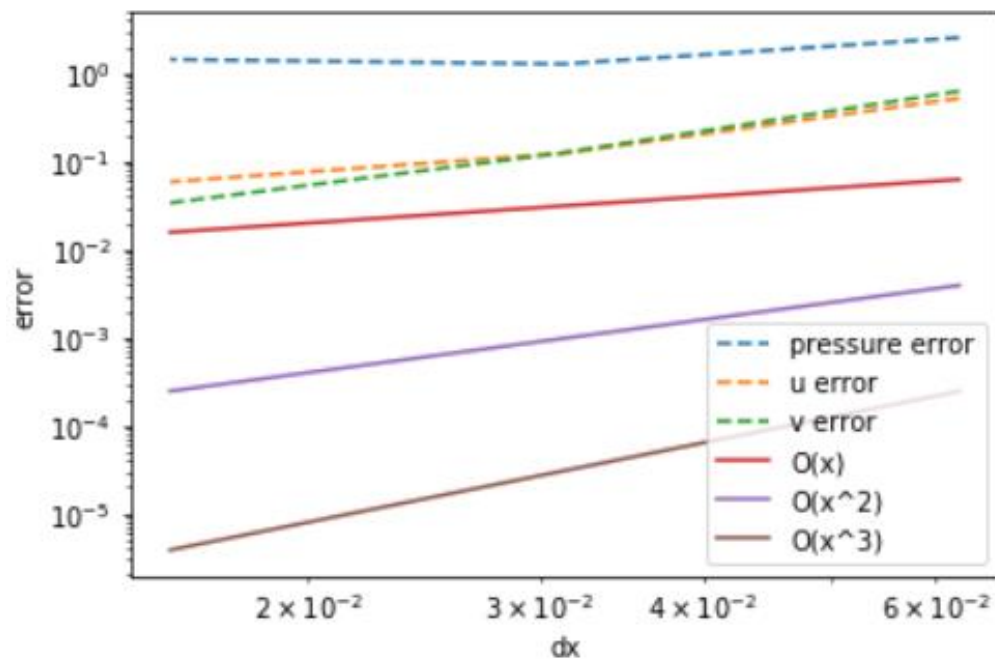
Xiruo Li(xiruoli2)

Part 1

(1) solution fields (u , v and p) for the most fined mesh.



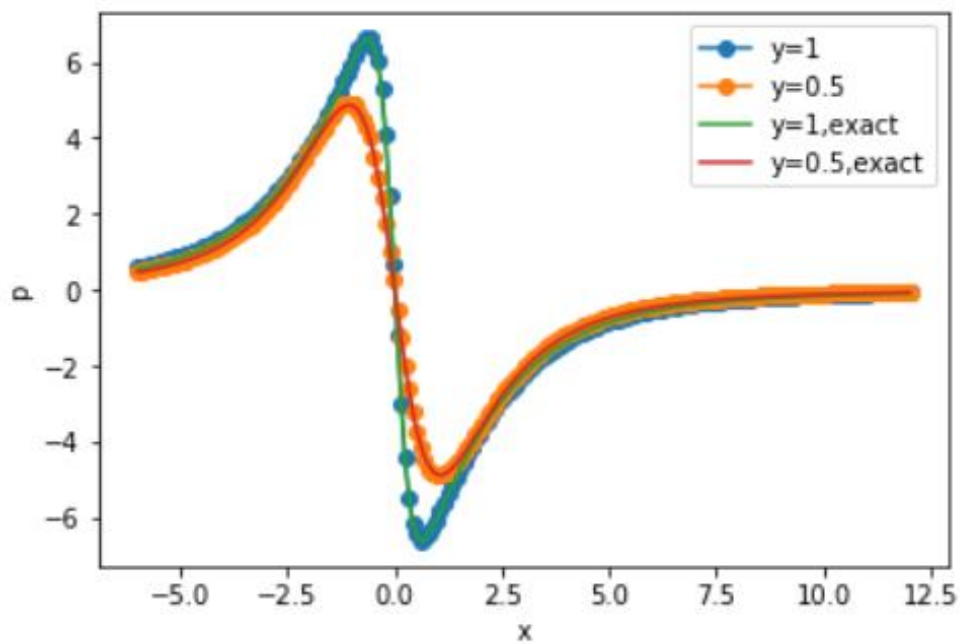
(2) L2 norm of errors



The norm of u v error is 2nd order convergence rate.

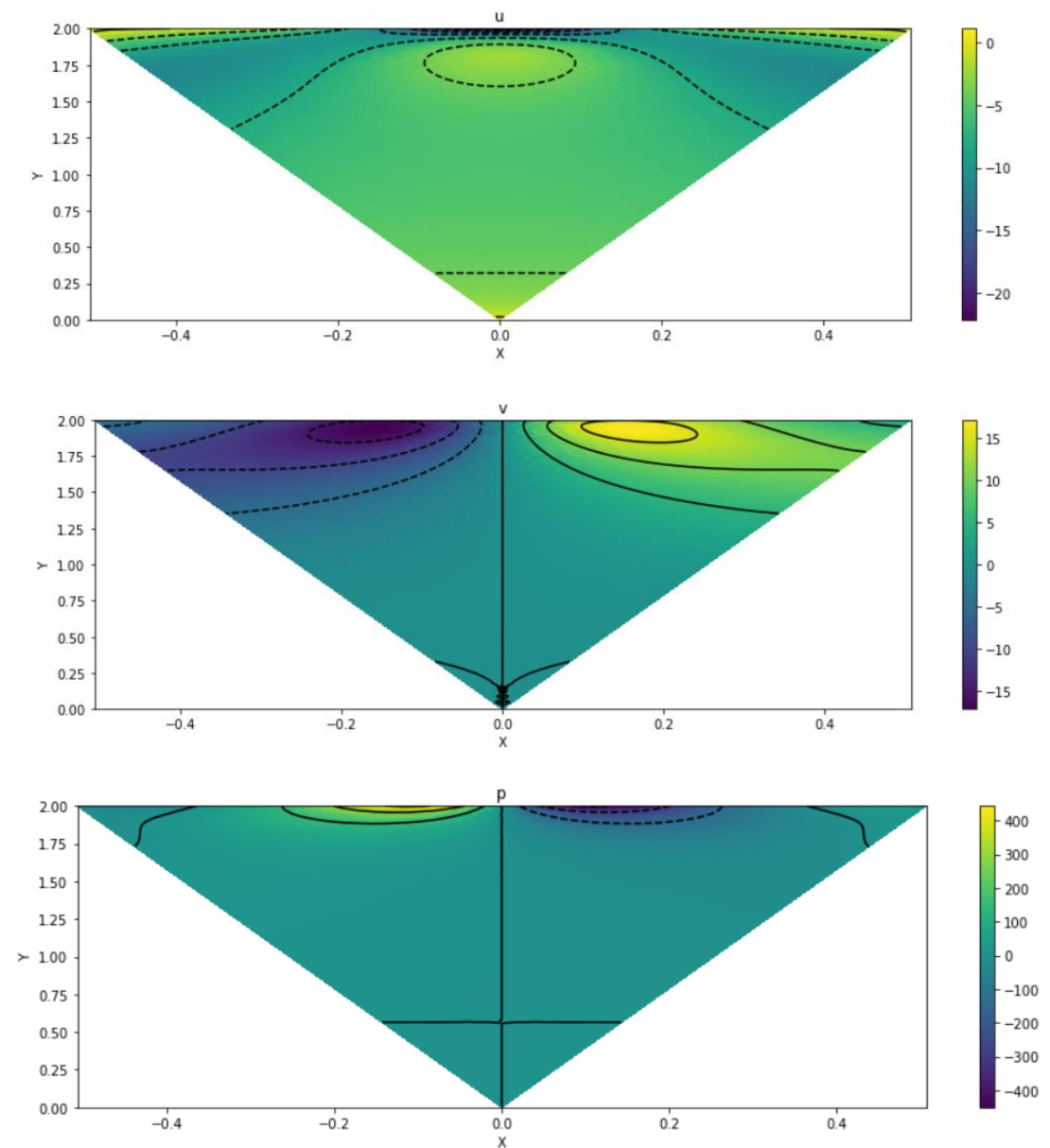
The norm of p error is 1st order convergence rate.

(3) pressure on two cross sections, $x=[-6,12], y=0.5$ and $x=[-6,12], y=1$.



Part 2(c)

(1) solution fields (u , v and p) for the most fined mesh.



(2) pressure table

wedge	left	right
wdg1	-67.99287768	67.99764429
wdg2	-57.08526459	57.10239
wdg3	-51.76269626	51.76321534

The pressure decrease when mesh is refined