

# Comp Astro Assignment 1

Cameron Smith

March 30, 2021

## Part 1

## Part 2

a)

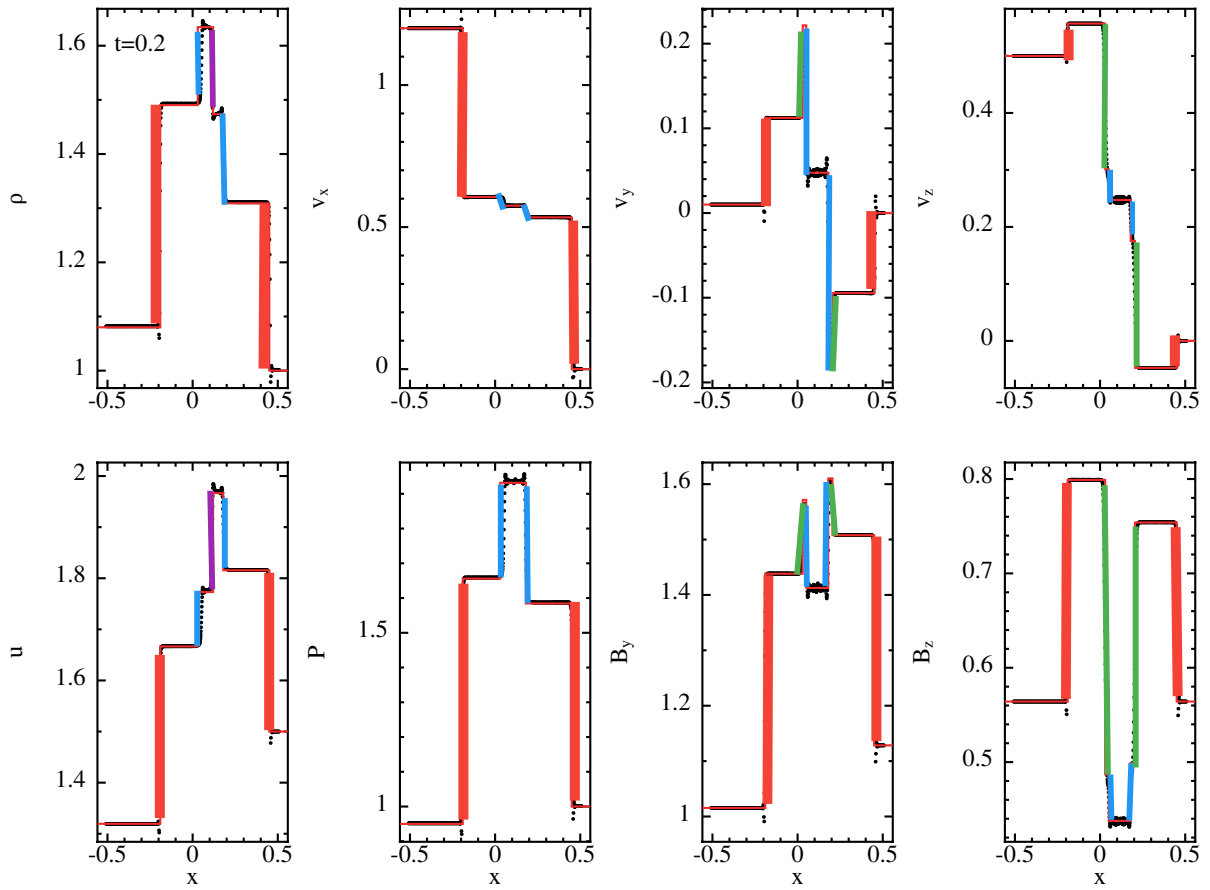


Figure 1: “1.75D” magnetised shock tube. Red Corresponds to a fast wave, blue corresponds to a slow wave, green corresponds to an alfvén wave, and purple corresponds to a contact discontinuity.

b)

## Part 3

a)

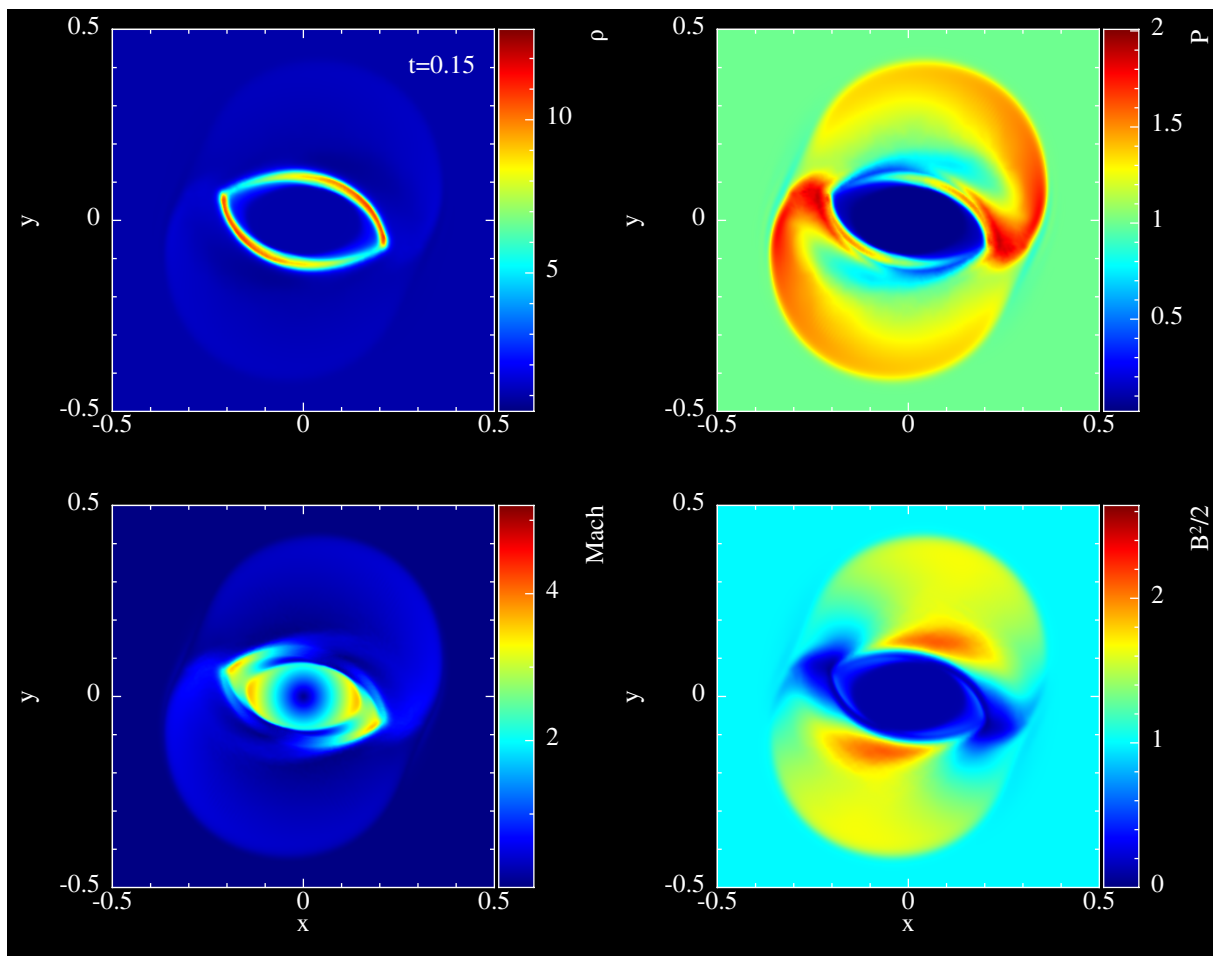


Figure 2:

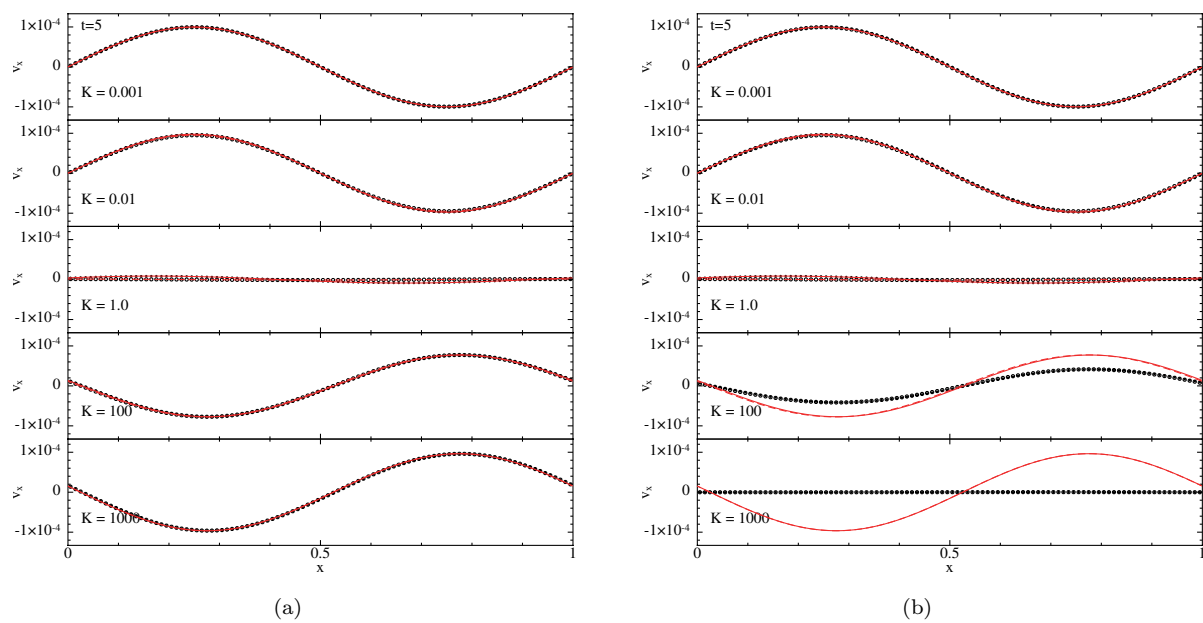


Figure 3: (a) One fluid. (b) Two fluid.