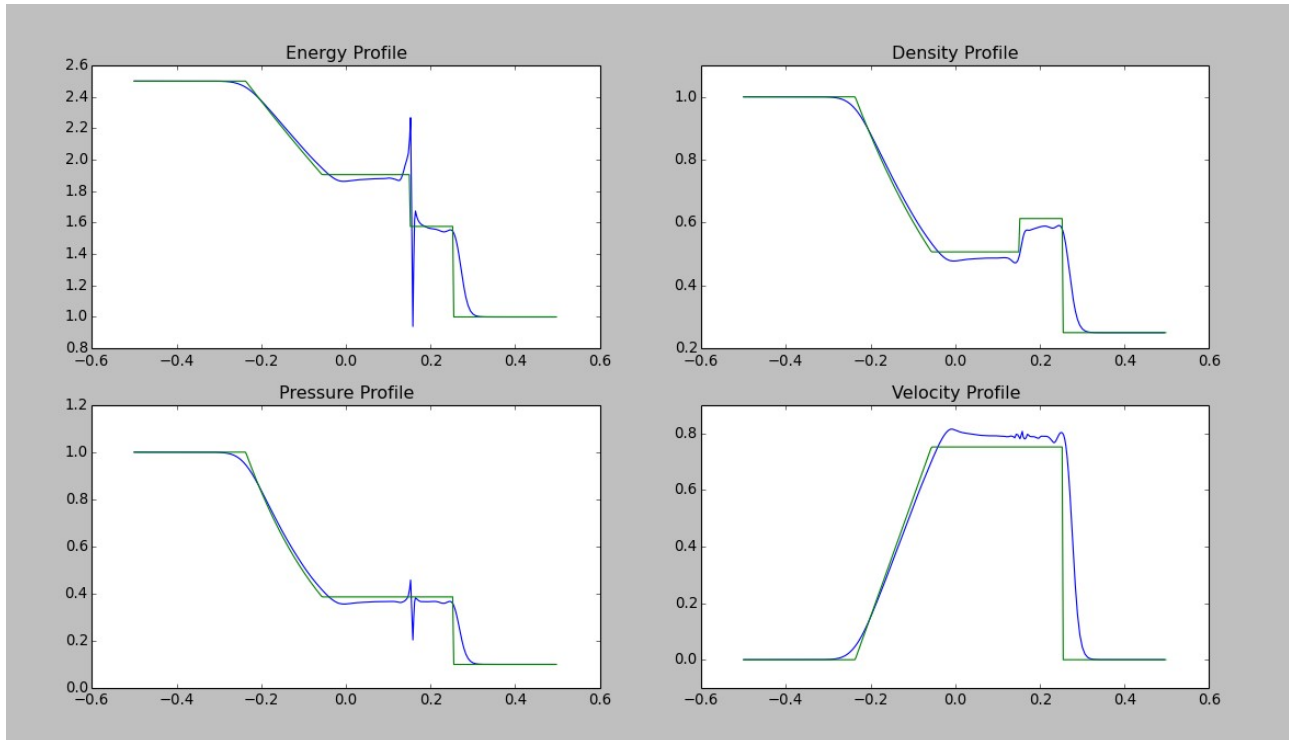


# Assignment 8

Devyesh Tandon  
120010008

Results:



For time step = 0.001

Time to run NNPS:

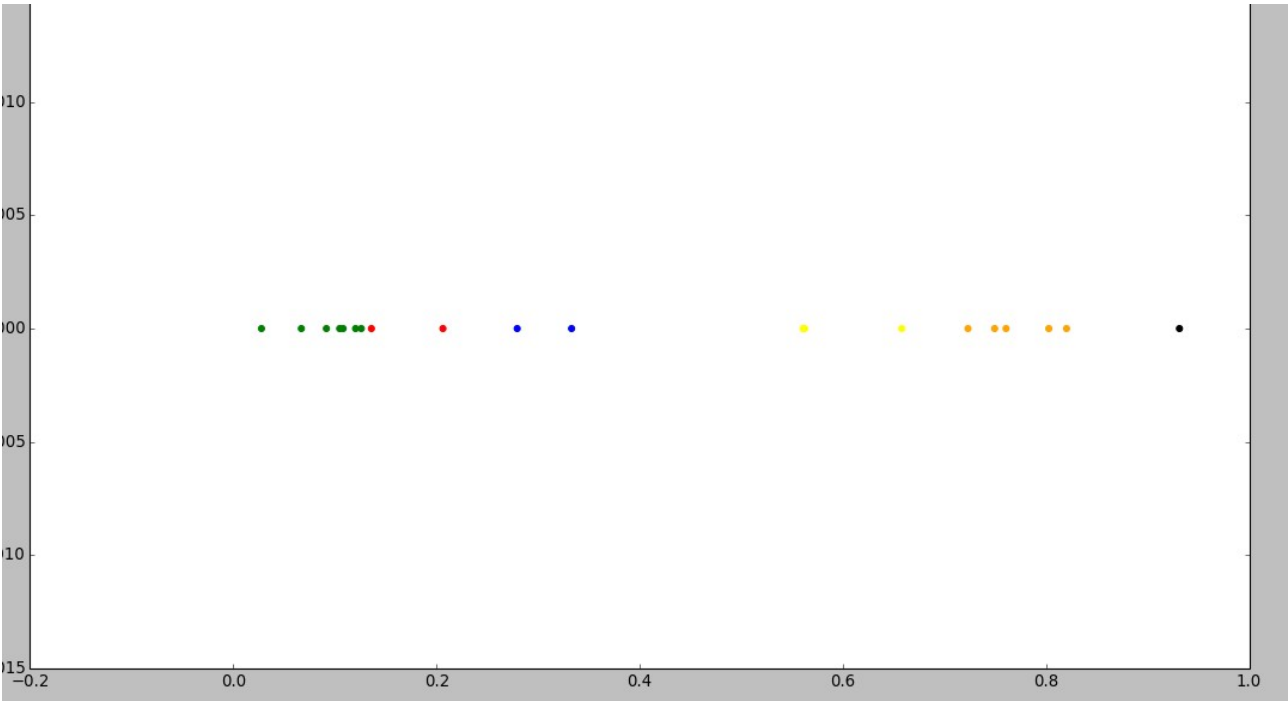
```
real    0m39.543s
user    0m37.079s
sys     0m0.052s
```

Time to run without NNPS:

```
real    4m46.872s
user    4m46.782s
sys     0m0.088s
```

PTO

Plot for test case:



Here different colors represent different bins...