

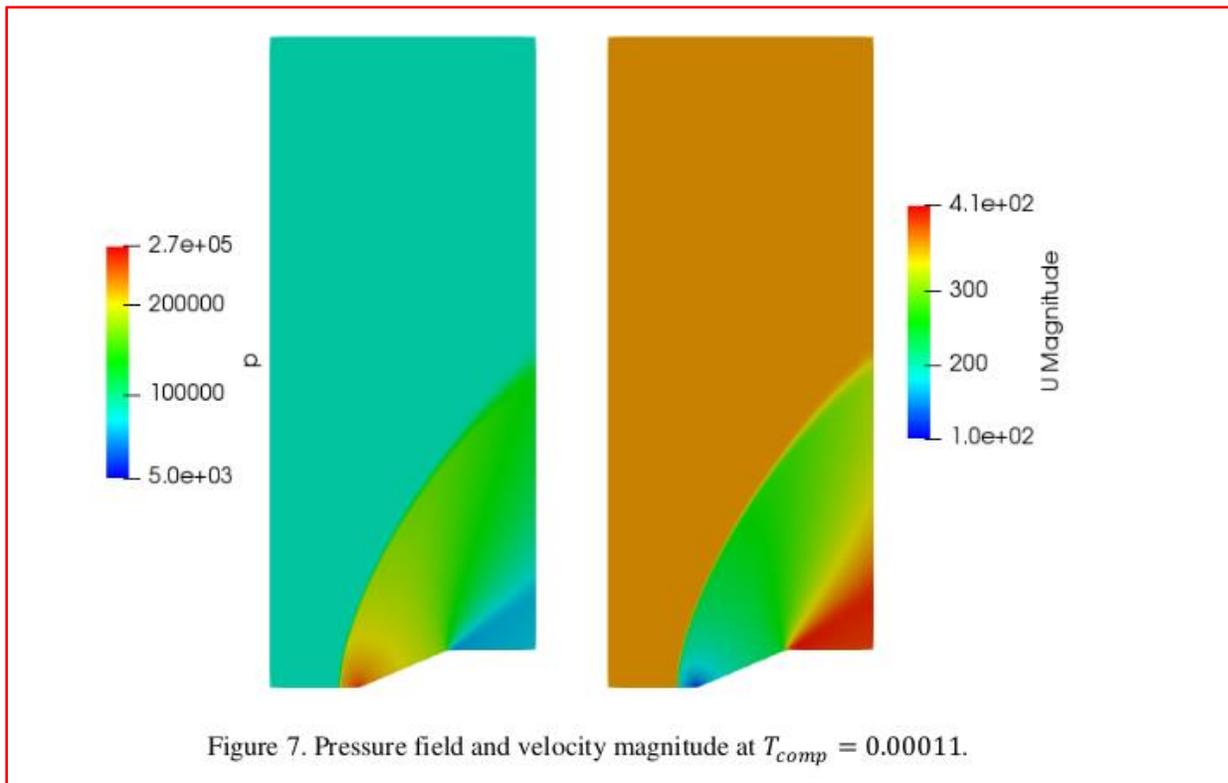
## Bow Shock Formation in a Supersonic Flow over a Wedge

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### Conclusions

- In this report, a comparison is made for the contours obtained in  $T = 0.00011$ .
- Also, comparison at steady state is done too.
- Though, color combination of contour plots is different, however, the scale is same. Thus, proving the correctness of the same.
- For comparison purposes, the plot available in the report of the case already i.e solved previously has been bordered with Red Color with thickness 1. It also has Figure title attached to it.
- From the new simulation, we infer that the contours of old and new simulations match.



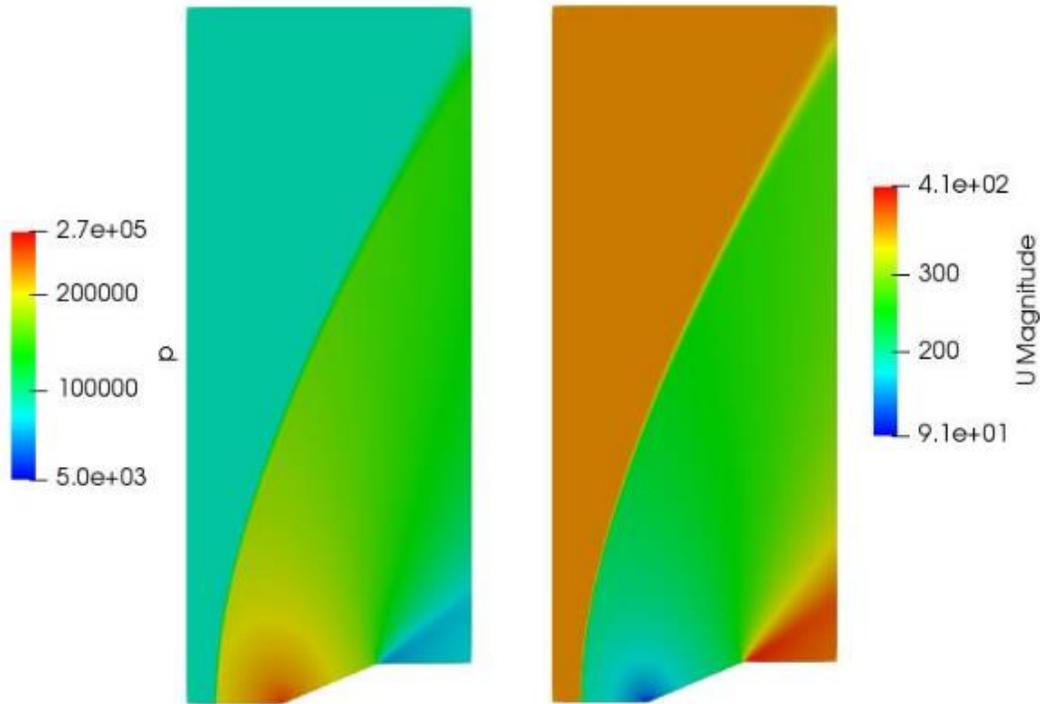
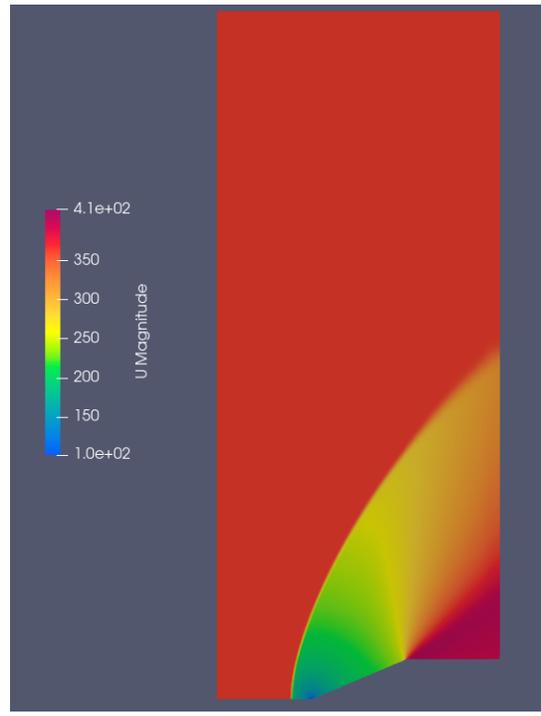
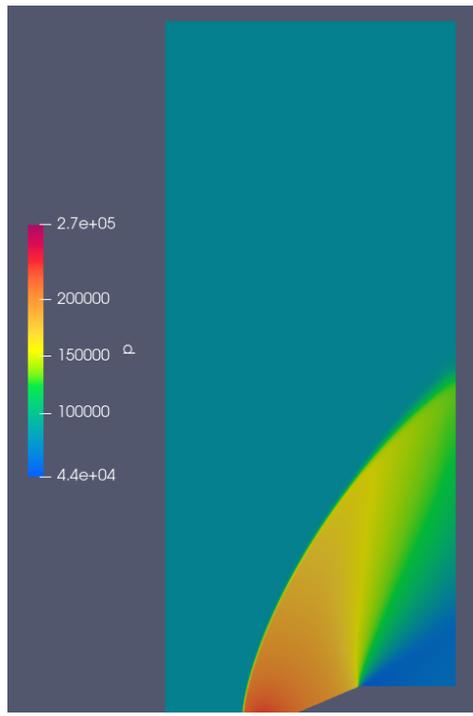
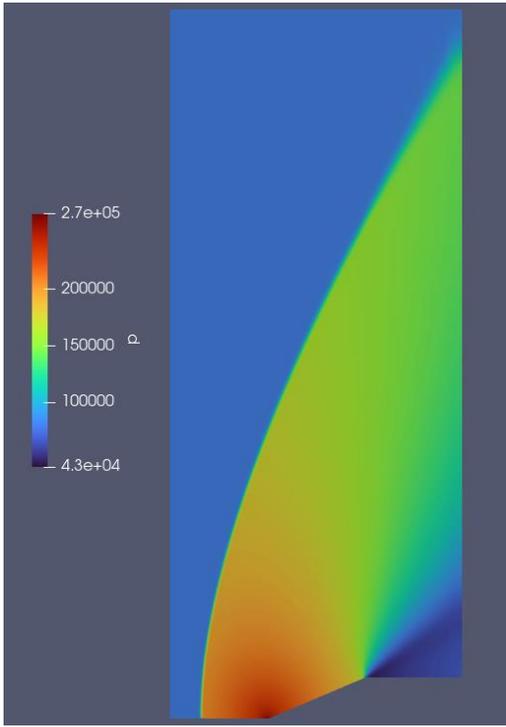
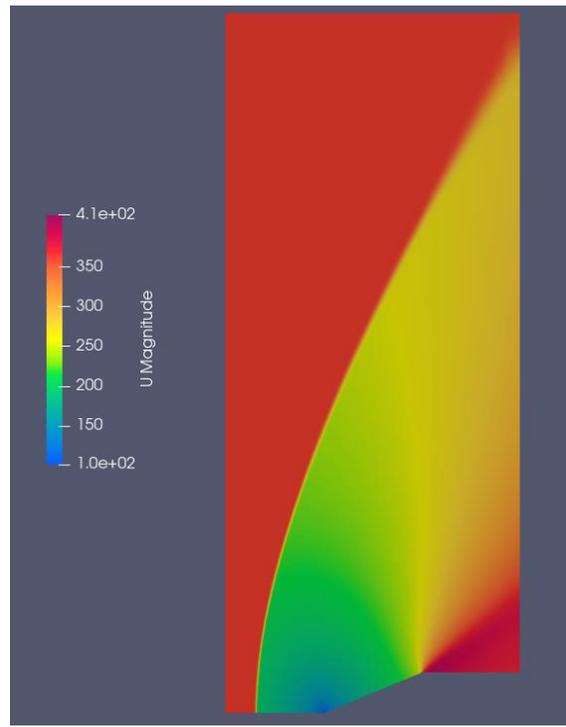


Figure 8. Steady-state pressure field and velocity magnitude.



**Pressure Field at steady-state**



**Velocity Field at steady-state**