

# Flat Plate Boundary Layer - Numerical Results

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## Post Processing

### Plot Velocity Vectors and Contours

**Note:** In the below video (Plot Pressure Contours), please note that the cursor disappears accidentally at the 44 second mark and returns at the 3 minute mark. At 1 minute 17 seconds, "here" refers to the bottom-middle of the region near the plate. It is later drawn at the 1 minute 28 second mark. At 2 minute 40 seconds, "here" refers to the left most face, known as the inlet face, of the region.

### Plot Pressure Contours

### Plot Velocity Profiles

### Explanation for Velocity Profile Overshoot

### Check Similarity Principle

**Plot Velocity Derivatives**

**Calculate Drag Coefficient**

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