

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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