

# Velocity and Pressure Contour Plot in ANSYS Fluent Simulation

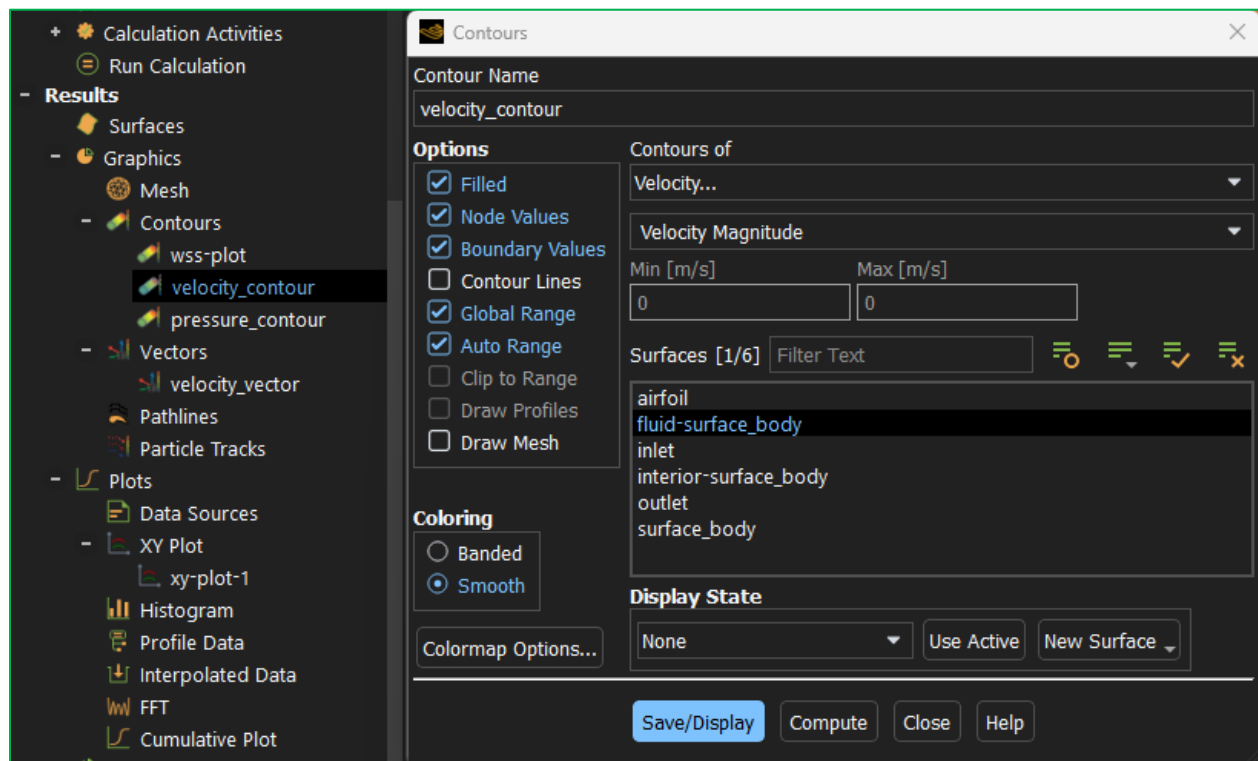
**Description:** Contours of velocity and pressure to understand fluid dynamic properties of a drag (and lift) inducing airfoil in a given fluid domain

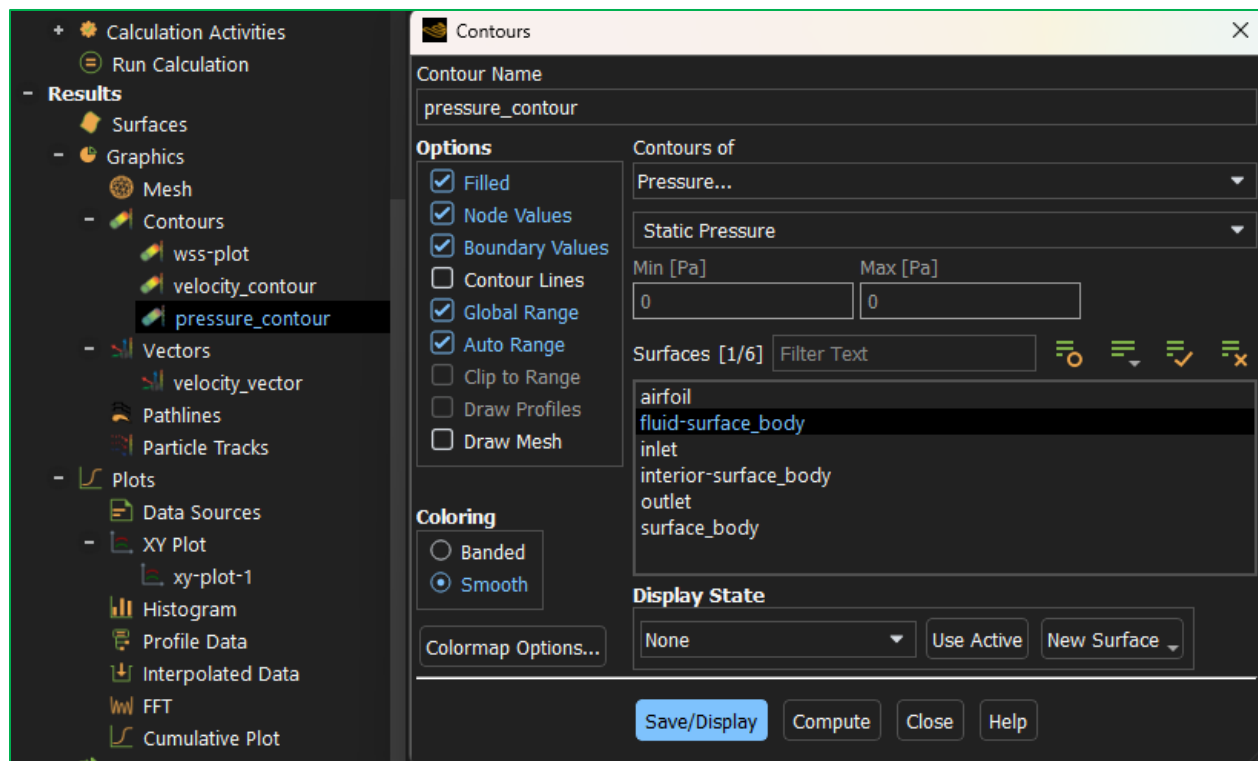
Keyword: Aerodynamics, CFD, ANSYS, Simulation, Velocity, Pressure, Airfoil

## Setting Up the Plot

Once we are done with the simulation of the airfoil, it's time to discuss some of the results and understand flight dynamics – the fun part!

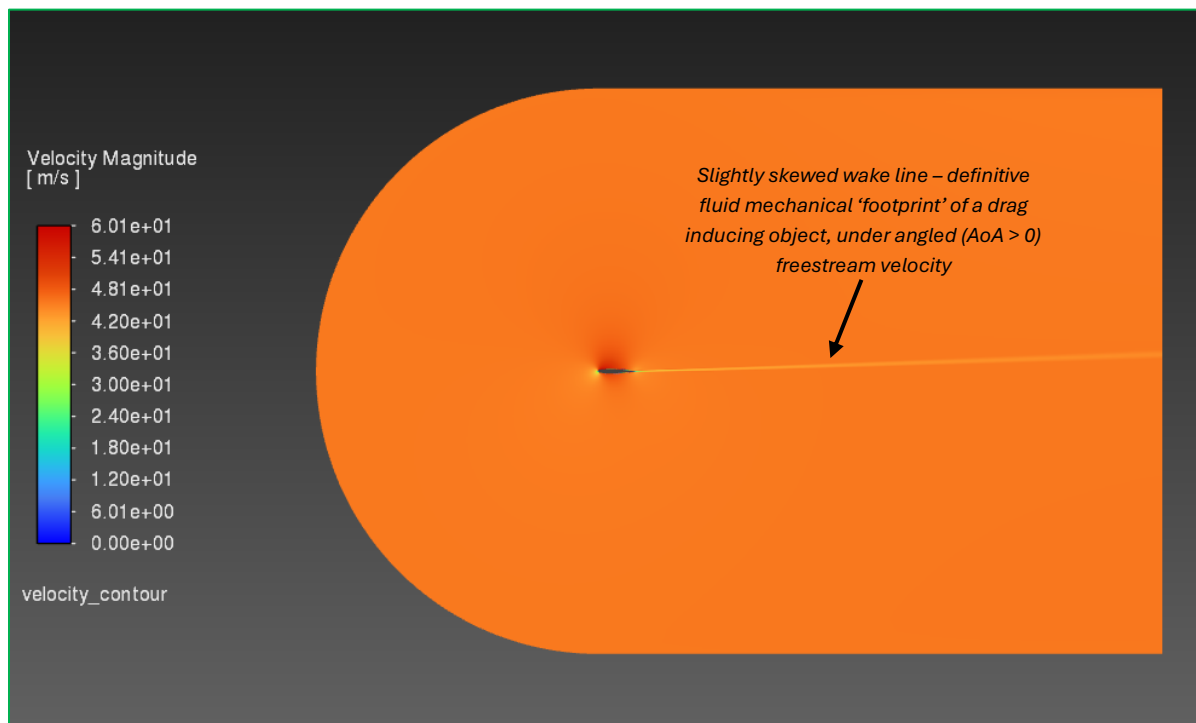
In the simulation module, create new contour for velocity and pressure –

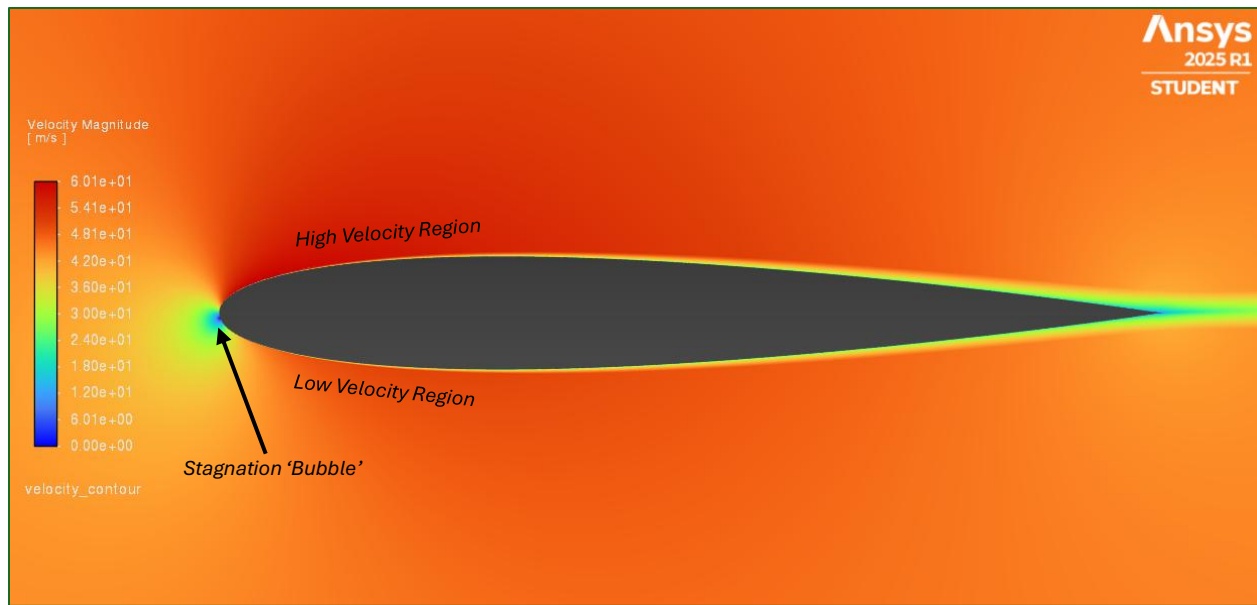




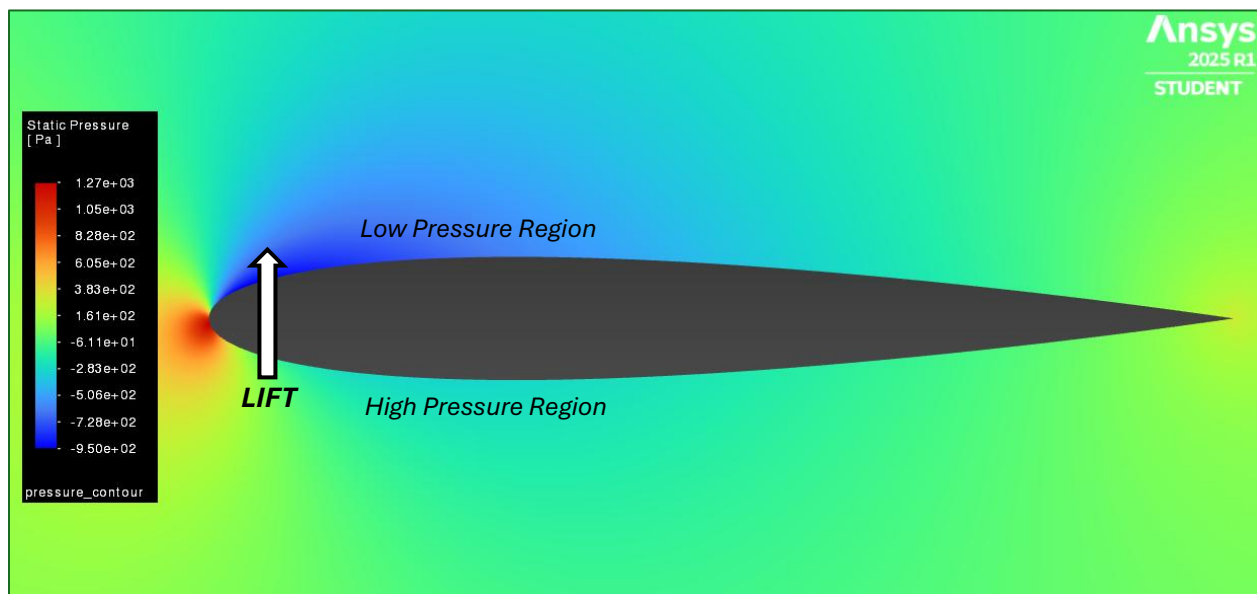
Once done, we are ready to dissect the ‘painting’ these two contours will provide us.  
(Ignore the *wss-plot* contour, we will get to it in another discussion)

## Velocity Contour





## Pressure Contour



All the images are pretty self-explanatory. But in case you missed it (since you're probably doomscrolling TikTok), the airfoil has achieved lift here. There is more discussion about the aerodynamic phenomena on the [Velocity Vector Plot](#) result discussion.

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