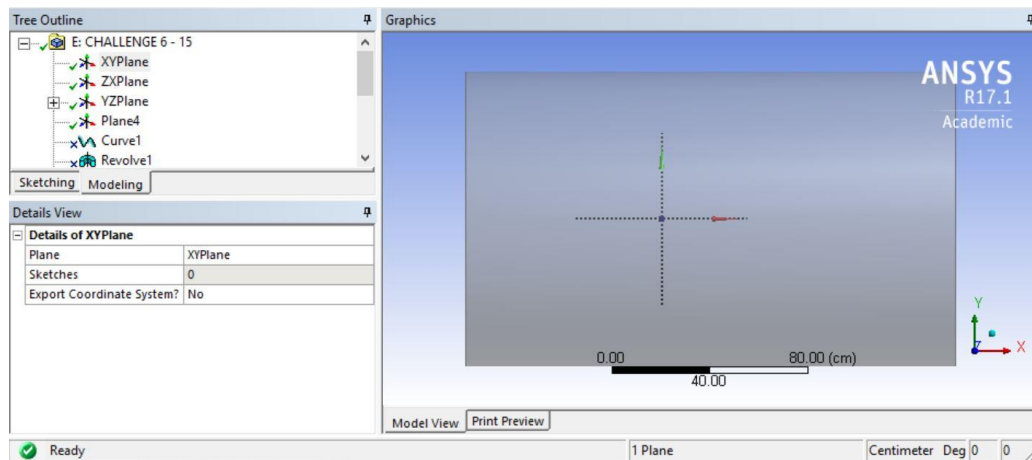


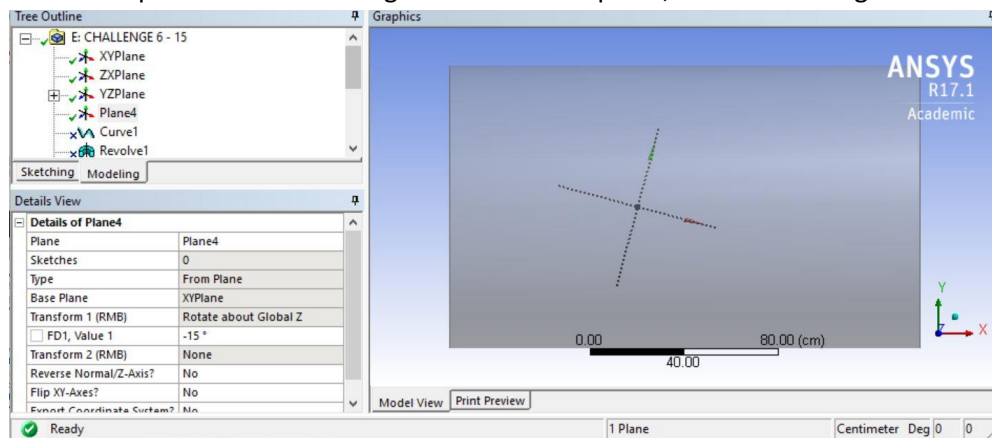
1)

View at XY plane.

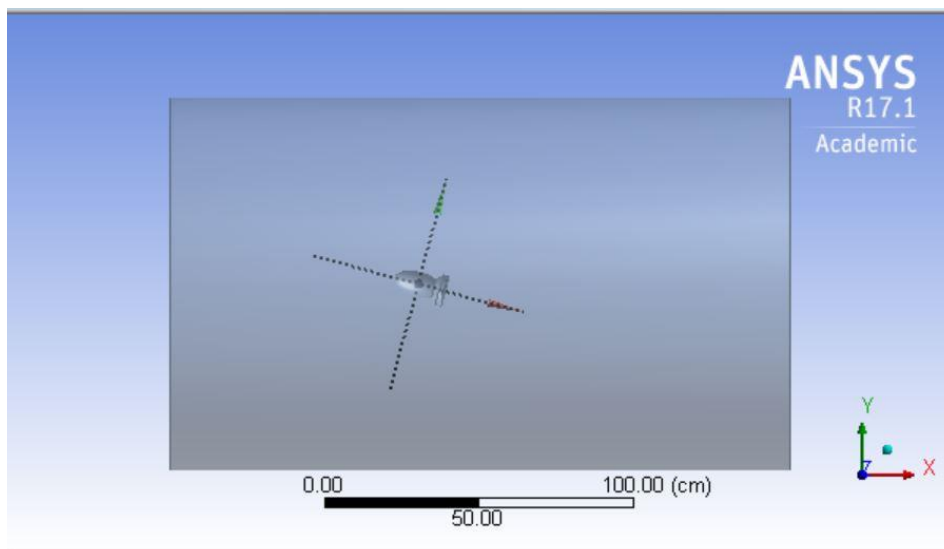


With XY as the base plane, a new plane is created and transformation is done by selecting 'Rotate about Global Z'.

In the first case, since the fish profile is tilted 15 degrees with the XZ plane, value of -15 degree is entered in the FD1 field.



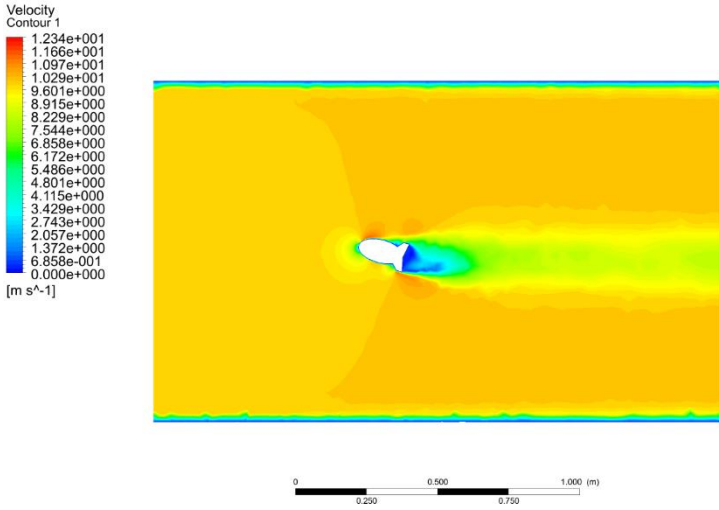
Fish profile revolved and subtracted in the transformed plane...



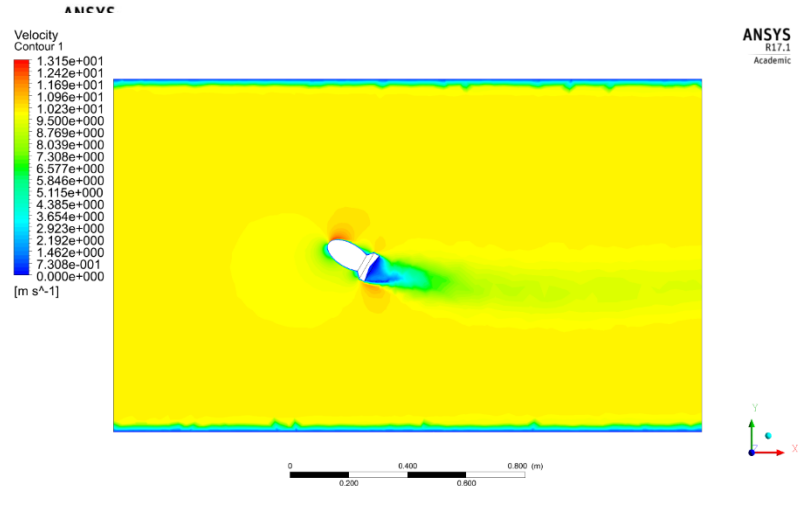
The same procedure is repeated for all the three cases.

2)

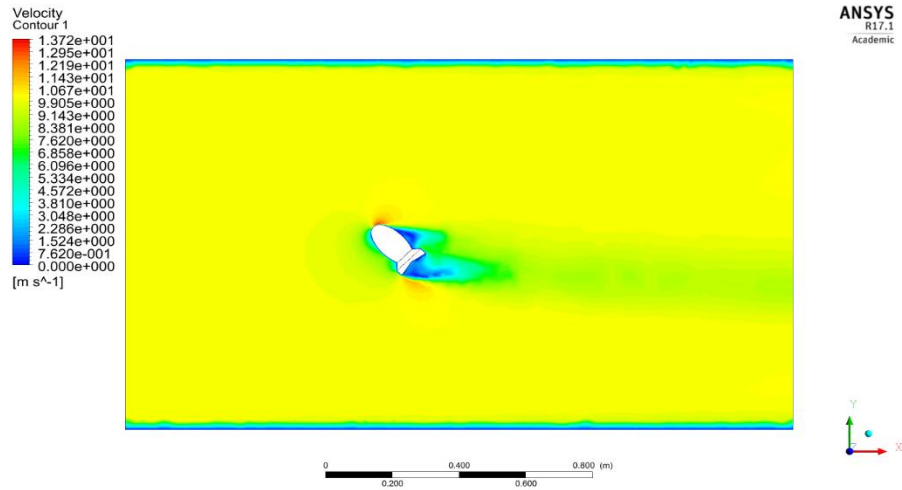
a) Velocity magnitude on the xy plane when  $\theta = 15^\circ$



b) Velocity magnitude on the xy plane when  $\theta = 30^\circ$



c) Velocity magnitude on the xy plane when  $\theta = 30^\circ$



3) Line plots of drag and lift on the whole fish as a function of  $\theta$

