

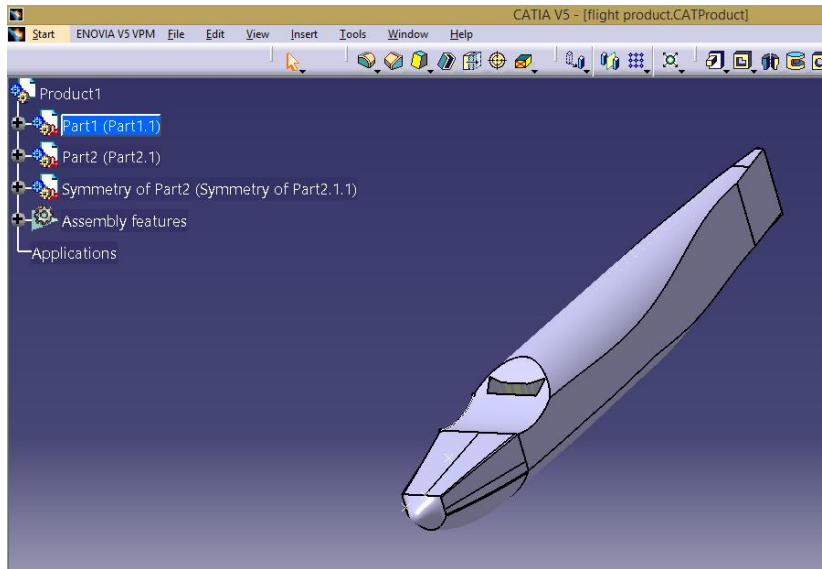
FLOW ANALYSIS OVER THE HULL PART OF A SEAPLANE

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The main objective of the project is to analyze the flow over the hull section of the seaplane. This analysis will help us to understand about the aerodynamic forces experienced by the hull part during its flying. The specimen is designed in CATIA and is analyzed using OPENFOAM 2.0 software.

The model used here is designed for the “AIRCRAFT DESING PROJECT LAB” and the analysis is made to find the different forces acting on the aircraft.



The missile body is designed with the above specification and is analyzed using computational software for the following conditions:

Flow Model : Laminar, Steady, Compressible

Flow Conditions: Mach 0.16