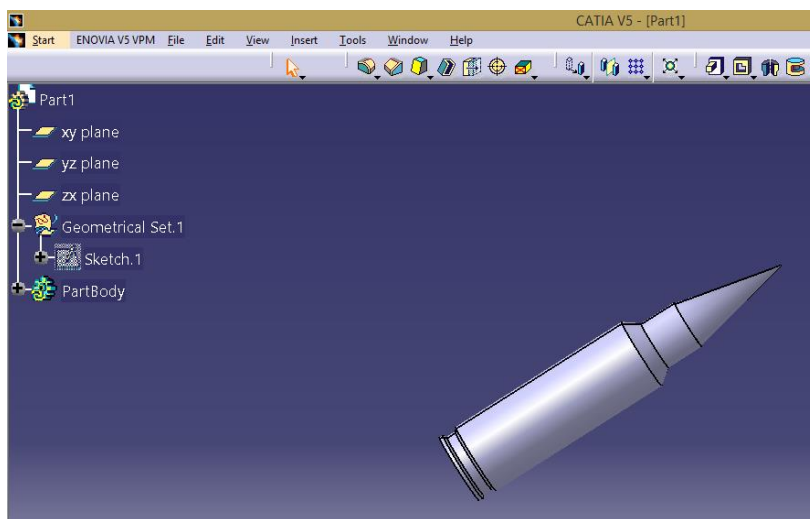# FLOW ANALYSIS OVER THE BULLET

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The main objective of the project is to analyze the flow over the bullet. When fired from the rifle the aerodynamic forces experienced by the bullet are analyzed. The specimen is designed in CATIA and is analyzed using OPENFOAM 2.0 software.

The model used here is analyzed to check the design optimization and to understand the flow physics over the bullet.

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 0.59