

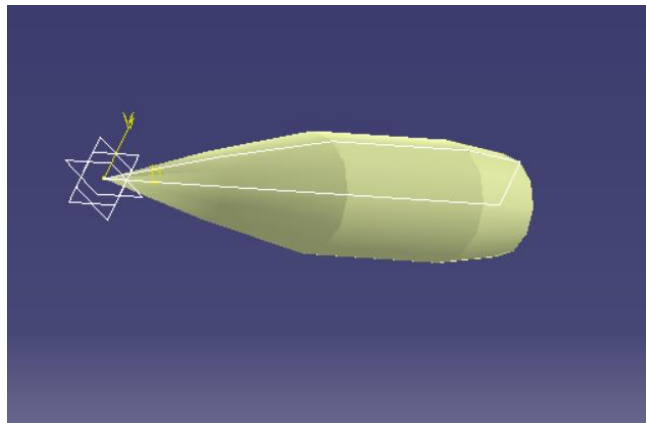
# **Design and Analysis of Missile aft body with boat tail**

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## **Abstract**

The objective of the project is to design and analyse a missile body to enhance the reduction of base drag. The specimen is designed in CATIA and is analysed using OPENFOAM 2.0 software.

The model suggested in this paper includes boat tailing of missile base body. This modification helps to reduce base area and thereby reducing base drag.



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

Flow Model : Laminar, Steady, Compressible

Flow Conditions : Mach 2