Pointwise Surface Mesh

Cart3D Simulations

CAD Model

Engine Database

Geometry Database

Surface Triangulation

Engine Outlet Conditions

Clic

Trim Analysis

\caption{Surface triangulation of the Baseline SPARTAN.}

\label{fig:Pointwise}

\end{figure}

Centre of Gravity Positions

Surface Cp Distribution

Aerodynamic Coefficients

Aerodynamic Databases \begin{figure}[ht]

\centering

\includegraphics[width=0.6\linewidth]{figures/3\_vehicle\_design/Pointwise}

\caption{Surface triangulation of the Baseline SPARTAN.}

\label{fig:Pointwise}

\end{figure}

PS Solver

External Modules

Evaluation of Optimality ie.

Trajectory Data

Vehicle Data

New Iteration