



038-AFD

## Kamco Kadet Airplane: Flow Simulation Study

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*This research is going to introduce the natural behavior of the air flow around the Kamco Kadet plane model to figure out the problems that affect its efficiency and find the economical possible ways to solve these problems and increase its efficiency.*

*Objectives of the study are: (1) Modifying the frame of the fuselage to be smoother and more compatible with the surrounding air flow. (2) Selecting the optimal position for the wings to increase its speed and maneuverability.*

*The net results of this research will be a more efficient design for the Kamco Kadet to satisfy the required objectives.*