**AEE 342: Aerodynamics, Project 1b – Analysis of Symmetric Airfoils**

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In the study of fluid flows, it is of vital importance to perform detailed and thoughtful analysis of a fluids behavior as it interacts with an object. Such analyses may be simulated through mathematical modeling with computational tools. However, these tools are of little use if mathematical models cannot be constructed to reflect situations and interactions likely to be encountered in real life. That being the case, the problem under investigation demands precisely such modelling of a NACA 0015 airfoil and the subsequent analysis of the flow behavior around it. Fundamental to