

Recitation 12: Problem Solving for Lifting Surfaces

1. Thickness problem
 - a. Distribution of source strength based on thickness variation
 - b. Boundary conditions
 - c. General procedure to obtain solution
 2. Lifting problem
 - a. Distribution of Vorticity strength based on camber line
 - b. . Boundary conditions
 - c. General procedure to obtain solution
 3. Flat plate at an angle of attack
 4. Parabolic camber
 5. Combination of the above two
 6. Velocity, Vorticity, forces and moments
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