Assessment 5

Drag, lift, virtual mass force, Basset force, one way, two way, three-way and four-way coupling and mathematical formulation of the same

1. Drag force
2. Lift force
3. Virtual mass force
4. Basset force

Theoretical and practical aspects

Explore the principles and applications of drag, lift, virtual mass force, and Basset force, focusing on one way, two way, three-way, and four-way coupling. Evaluate the mathematical formulations and their implications in various engineering contexts.