

Bernoulli's Principle

Objective: To learn how Bernoulli's principle applies to forces in fluids.

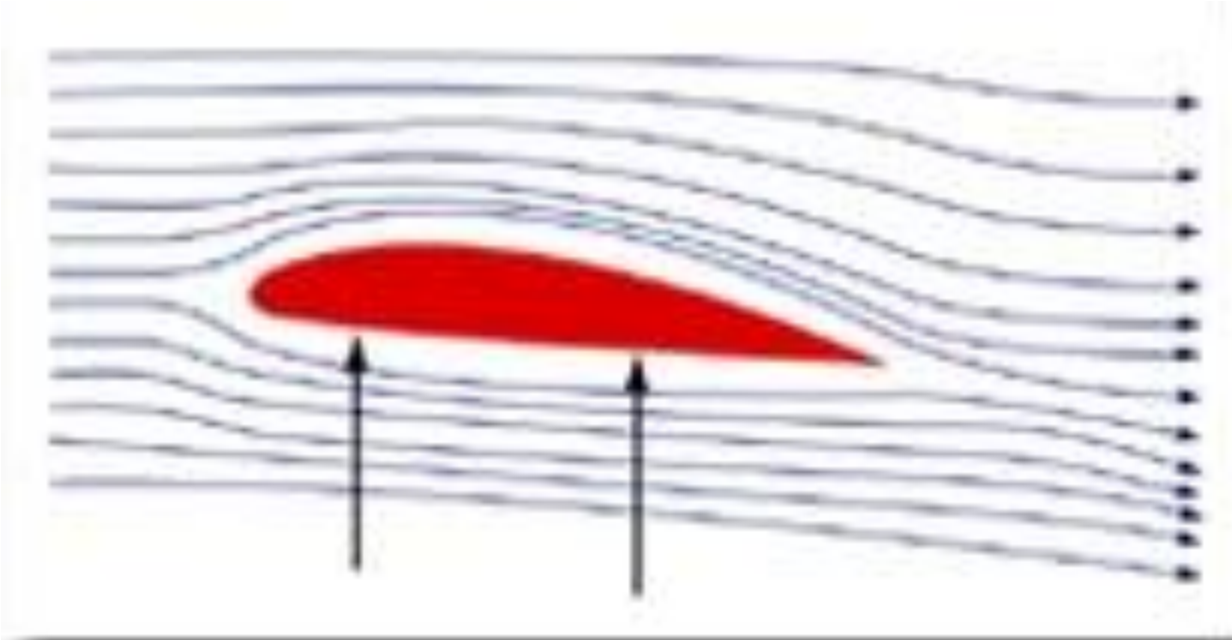


Research



- A fluid tends to flow from an area of high pressure to an area of low pressure.
- A moving fluid creates an unbalanced force.
- Bernoulli's principle: as the speed of a moving fluid increases, the pressure exerted by the fluid decreases.

Airplane Wing



Cross section of an airplane wing. Air flows faster over the top than underneath, so exerts less pressure. Higher pressure air underneath the wing pushes it up.