

Strange Phenomenon: Bernoulli's Principle

The Bernoulli principle states that the faster air flows, the less pressure it exerts.

Observation

Explanation

Inward "tug" on a car as it passes a large truck.



That tug is caused by air pressure. As the car and truck pass each other, they form a narrower space that forces air to speed up. Air pressure drops between the car and truck. The higher air pressure on the other side of the car pushes the car and the truck toward each other as they pass.

Umbrella flipped outward in heavy winds.



Roof of buildings blown off in a tornado or hurricane.



Rubber duck in a tub moves towards the stream of running water and stays there.



During a shower the curtain blows inward towards your legs.

