## CENTRIFUGAL FORCE

The word centrifugal is derived from the Latin terms 'Centrum' and 'fugere' meaning to flee or tending to move away from the centre, this term was used by Sir Isaac Newton back in 1629.

Centrifugal force is a virtual (pseudo) force because there is no real force causing it like Gravitational, Electrical, and Magnetic forces. A virtual force can be defined as any system of forces in equilibrium


In this scenario the driver will experience an outward push from the centre because of the Inertia of direction, the force that pushes him outwards is Centrifugal force.

In this case, Frictional force acts as the Centripetal force.
The Centrifugal force is always directed away from the centre of the circle.

Centrifugal force can be defined as the apparent outward force acting on a mass when it is rotated.

The formula for Centrifugal force is,


