Friction

Edward Jex

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Types of friction

There are two types of friction: surface friction and friction in a fluid.

Friction in Fluids

Depends on:

- Materials in contact
- Viscosity of the fluid
- Shape and cross-sectional area of the object
- Velocity

Surface Friction

Surface friction is the friction between two solid surfaces. Kinetic friction is where the surfaces have a relative motion between them and static is where they are still. Static friction resist the surface starting to move and is often stronger than kinetic friction.

We model static friction simply by using a coefficient, μ . $F_r = \mu F_n$