

**Fluid friction** describes the tangential component of the contact force that exists between adjacent layers in a fluid that are moving at different velocities relative to each other, as in the thin layer of oil between bearing surfaces. The tangential forces developed between the adjacent fluid layers oppose the relative motion and depend primarily on the relative velocity between the two layers. Fluid friction is one of the primary concerns in the study of fluid mechanics and is more properly treated in a course in fluid mechanics.