

Importance Of Fluid Mechanics In Civil Engineering

Importance Of Fluid Mechanics In Civil Engineering - So at least from a theoretical standpoint, many fluid mechanics have been able to start working in solid mechanics and vice versa. When designing infrastructure such as water distribution systems, pumping stations, dams, and treatment plants, Civil Engineers need to understand both fluid statics and dynamics. Importance of the soil mechanics for the Civil Engineers In soil mechanics we study about the various properties of the soil to be used for various engineering construction works. Fluid mechanics, the branch of science that deals with the study of fluids (liquids and gases) in a state of rest or motion is an important subject of Civil, Mechanical and Chemical Engineering. Its various branches are fluid statics, fluid kinematics and fluid dynamics. A substance that flows is called as fluid. Both Civil and Mechanical Engineering students have to study fluid mechanics in their Engineering degree. The important property of Fluids are its Viscosities. There are two kinds of viscosities dynamic viscosity and kinematic viscosity. Dynamic Viscosity is denoted by μ .