

# Download Electrorheological Fluids Modeling And Mathematical Theory

In physics and engineering, fluid dynamics is a subdiscipline of fluid mechanics that describes the flow of fluids—liquids and gases. It has several subdisciplines, including aerodynamics (the study of air and other gases in motion) and hydrodynamics (the study of liquids in motion). In physics, the Navier–Stokes equations ( $\nabla \cdot \tau = \rho g$ ), named after Claude-Louis Navier and George Gabriel Stokes, describe the motion of viscous fluid substances. 2017. ICNSNT-2017 4th International Conference on Nanoscience and Nanotechnology 14-15 December 2017, Colombo, Sri Lanka ANNIC 2017 Applied Nanotechnology and Nanoscience International Conference 2017