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Air, water in rivers and sea water are fluid. A movement of fluid is called the 'flow' and the study of this field is called 'fluid mechanics'. 'Fluid mechanics' is the merger of hydraulics and hydrodynamics. Hydraulics developed as an empirical science beginning in prehistorical times. The advent of hydrodynamics, which tackles fluid movement theoretically, was in the eighteenth century.

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Fluid mechanics is the branch of physics concerned with the mechanics of fluids (liquids, gases, and plasmas) and the forces on them.: 3 It has applications in a wide range of disciplines, including mechanical, civil, chemical and biomedical engineering, geophysics, oceanography, meteorology, astrophysics, and biology. It can be divided into fluid statics, the study of fluids at rest; and ...

Fluid mechanics - Wikipedia

Chapter 1 Basic Concepts and Definitions Main Topics History of Fluid Mechanics Definition of a Fluid Continuum Model of a Fluid Properties at a Point Pressure at a Point in a Static Fluid Dimensions and Units Until the turn of the twentieth century, the study of fluids was undertaken essentially by two groups of people ?? Hydraulicians and hydrodynamicists.

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Introduction to Fluid Mechanics in Engineering

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