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The Applied Fluid Mechanics Laboratory (AFM) focuses on the application of fluid mechanics principles to solve important industrial and biological problems.

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Fluid mechanics is the study of fluid behavior (liquids, gases, blood, and plasmas) at rest and in motion. Fluid mechanics has a wide range of applications in mechanical and chemical engineering, in biological systems, and in astrophysics. In this chapter fluid mechanics and its application in biological systems are presented and discussed.

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Fluid pressure is computed from p = F/A (3-1) The standard unit for pressure in SI units is the.pascal (Pa) or N/m z. Whereas the standard unit for pressure in the V.S. Customary System is lb/ftz, the unit lb/inz (psi) i:- more convenient and is used most often.

Applied Fluid Mechanics - 03 Pressure Measuremen ...

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