Hydrostatic set, buoyancy and density of liquids and solids

EQ022B2

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Fluid mechanics. Hydrostatic. The hydrostatic buoyant force, a quantity with direction, direction and module. What is meant by greatness? Scalar and vector quantities. Measuring forces. The mass of a body does not change, it is a scalar quantity and is one of the general properties of matter. The weight of a body can change, it depends on where the body is. The relationship between buoyancy and the apparent decrease in weight of a body immersed in a liquid. Determining the value, direction and direction of the hydrostatic force called buoyancy. Archimedes principle, buoyancy and its relationship with the volume and density of the displaced liquid. The principle of the impenetrability of matter. Calculating and determining the characteristics of the buoyant hydrostatic force. The relationship between buoyancy and the weight of the volume of liquid displaced. The relationship between buoyancy and volume, the density of the displaced liquid and the acceleration due to gravity. The relationship between buoyancy and the volume and specific weight of the liquid displaced. Determining the density of a steel solid, through buoyancy. Determining the density of a brass solid through buoyancy. Determining the density of an aluminum solid through buoyancy. Determining the density of an irregular solid through buoyancy. Absolute density, specific mass, and relative density, etc.

Knowledge areas

Key Experiments

cidepedigital.com.br cidepe@cidepe.com.br

Av. Victor Barreto, 592 - CEP 92010-000 - Canoas - RS - Brasil