

Continuum mechanics

@wikipedia

Branch of [Mechanics](#) related to mechanical behavior of [Continuum Body](#) – a continuous mass materials with no regard of its molecular structure.

It splits into two branches and subsequent disciplines:

Solid Mechanics		Fluid Mechanics	
Elasticity	Plasticity	Non-Newtonian fluids	Newtonian fluids
	Rheology		

[Continuum mechanics](#) model is based on three major equations:

Continuity Equation	Momentum Equation	Equation of State
Conservation of mass	Conservation of momentum	Thermodynamic equilibrium

See also

[Physics](#) / [Mechanics](#)

[[Continuum Body](#)] [[Solid Mechanics](#)] [[Fluid Mechanics](#)]

[[Deformation](#)]