

Poisson's ratio =

[@wikipedia](#)

Material property of a **solid body** measuring as proportionality coefficient between tangent **strain** $\epsilon_{\perp}$ and **axial strain** $\epsilon_{\parallel}$ in the **linear elastic** region of a material:

$$(1) \quad \nu = -\frac{\epsilon_{\perp}}{\epsilon_{\parallel}}$$

See Also

[Physics](#) / [Mechanics](#) / [Continuum mechanics](#) / [Continuum Body](#) / [Deformation](#)

[[Compressibility](#)] [[Young modulus \(E\)](#)]

[[initial pore compressibility](#)]

[[Geomechanical Rock Modelling](#)]