

Resistance of materials



Plan:

- Tension
- Compression
- Normal stress
- Normal strain

Tension

- The electrical voltage between the points A and B of the electrical circuit or electric field is a physical quantity whose value is equal to the work of the effective electric field (including the external fields) performed when transferring a single test electric charge from point A to point B
- Tension (geology), a stress which stretches rocks in two opposite directions
- Voltage or electric tension, the difference in electric potential energy between two points

Compression of materials



Compression

- physical science
- Compression (physics), the result of the subjection of a material to compressive stress
- Compression member, a class of structural elements, of which a column is the most common specific example
- Compressibility, a measure of volume change resulting from pressure
- Gas compression, raising the pressure and reducing the volume of gases
- Compression ratio, a figure of merit of an internal-combustion engine
- Compression (geology), a system of forces that tend to decrease the volume of rocks
- Compression strength or Compressive strength

