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**Fundamentals of Physics - Wikipedia**

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**Automotive Fundamentals - Elsevier**

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Mechanics (Greek  $\mu\epsilon\chi\alpha\iota\kappa\eta$ ) is that area of science concerned with the behaviour of physical bodies when subjected to forces or displacements, and the subsequent effects of the bodies on their environment. The scientific discipline has its origins in Ancient Greece with the writings of Aristotle and Archimedes (see History of classical mechanics and Timeline of classical mechanics).

### **Mechanics - Wikipedia**

Stress is the force per unit area on a body that tends to cause it to change shape.. Stress is a measure of the internal forces in a body between its particles. These internal forces are a reaction to the external forces applied on the body that cause it to separate, compress or slide. External forces are either surface forces or body forces. Stress is the average force per unit area that a ...

### **Stress (mechanics) - Simple English Wikipedia, the free**

Fundamentals of HVAC Systems Prepared by Robert McDowall, P. Eng. Engineering Change Inc. American Society of Heating, Refrigerating and Air-Conditioning Engineers Inc.

### **Fundamentals of HVAC Systems**

This website presents the fundamental principles of fracture mechanics, with many examples included. It covers both linear (LEFM) and nonlinear fracture mechanics, including J-Integrals, as well as fatigue crack growth concepts and mechanisms.

### **Fracture Mechanics**

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