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statics, in physics, the subdivision of mechanics that is concerned with the forces that act on bodies at rest under equilibrium conditions. Its foundations were laid more than 2,200 years ago by the ancient ... Introduction to Statics and Torque What might desks, bridges, buildings, trees, and mountains have in common—at least in the eyes of a physicist? The answer is that they are ordinarily motionless ... Chapter 1 Introduction to Statics Engineering Statics is the gateway into engineering mechanics, which is the application of Newtonian physics to design and analyze objects, systems, and structures with ... This free online statics course teaches how to assess and solve 2D and 3D statically determinate problems. The course consists of 83 tutorials which cover the material of a typical statics course... Statics is the branch of classical mechanics that is concerned with the analysis of force and torque acting on a physical system that does not experience an acceleration, but rather is in equilibrium with ... Statics is an essential prerequisite for many branches of engineering, such as mechanical, civil, aeronautical, and bioengineering, which address the various consequences of forces. This ... Statics textbook for engineering students. Covers principles of statics, force systems, equilibrium, structures, distributed forces, and more. Introduction to engineering mechanics: statics, for those who love to learn. Concepts include: particles and rigid body equilibrium equations, distributed loads, shear and moment diagrams, trusses, ... This channel is focused on presenting Statics videos. The intent is for me to put enough videos up such that a viewer could take and pass the class by simply watching this video series. Engineering Statics is the gateway into engineering mechanics, which is the application of Newtonian physics to design and analyze objects, systems, and structures with respect to motion, deformation, ...

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**1: Introduction to Statics - Engineering LibreTexts**

**Ch. 9 Introduction to Statics and Torque - OpenStax**

**Engineering Mechanics: Statics, 9th Edition - studylib.net**

**Statics | Force, Moment & Equilibrium | Britannica**

*Jeff Hanson - YouTube*

**Statics: Introduction to Statics**

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[Statics - Wikipedia](#)

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