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Fluid mechanics is the branch of physics concerned with the mechanics of fluids (liquids, gases, and plasmas) and the forces on them. It has applications in a wide range of disciplines, including mechanical, civil, chemical and biomedical engineering, geophysics, astrophysics, and biology.. Fluid Mechanics can also be defined as the science which deals with the study of behaviour of fluids ...

Fluid mechanics - Wikipedia

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Celestial mechanics - Wikipedia

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Applied Mechanics of Solids (A.F. Bower) Chapter 3 ...

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3. Kinematics . 3.1 Basic Assumptions . Continuum mechanics is a combination of mathematics and physical laws that approximate the large-scale behavior of matter that is subjected to mechanical loading.

Continuum Mechanics - Kinematics

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