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analysis of flows using the laws of physics and the language of mathematics.

## **An Introduction to Fluid Mechanics, Morrison**

There are two aspects of fluid mechanics which make it different to solid mechanics:

1. The nature of a fluid is much different to that of a solid
2. In fluids we usually deal with continuous streams of fluid without a beginning or end. In solids we only consider individual elements.

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Introduction to Fluid Mechanics is translated from the best-selling Japanese book by Professor Yasuki Nakayama, and adapted for the international market by Professor Robert

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Boucher. Key Features Introduces the concepts through everyday examples before moving on to the more invoved mathematics

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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.: 3 It has applications in a wide range of disciplines, including mechanical, civil, chemical and biomedical engineering, geophysics, oceanography, meteorology, astrophysics, and biology. It can be divided

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20 February 1969, pp. 621-623 An Introduction  
to Fluid Dynamics. By G. K. B ATCHELOR.  
Cambridge University Press, 1967. 615 pp.

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Fluid mechanics is the study of fluids at rest and at motion and can be divided into two main categories, which are static fluid mechanics and dynamic fluid mechanics. In static fluid mechanics, the fluid is either at rest or is undergoing rigid-body motion. In dynamic fluid mechanics, the fluid may have an acceleration term and can undergo deformations. Five relationships are the most useful in fluid mechanics problems, which

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include kinematic, stresses, conservation, regulating, and ...

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