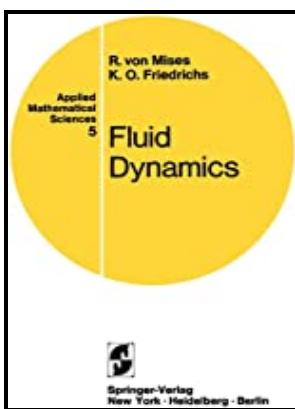


# Fluid dynamics; containing also Supplementary notes on the hodograph method in the theory of compressible fluid

## - - Fluid Dynamics



Description: -

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Tobacco industry  
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## Fluid Dynamics

Problems in fluid dynamics Scientists often try to visualize flow using figures called streamlines, streaklines and pathlines. Flow describes a wide range of fluid movement, such blowing through the air, flowing through a pipe, or running along a surface. Fluid dynamics is one of two branches of fluid mechanics, which is the study of fluids and how forces affect them

## Fluid Dynamics

To make the distinction clear, consider the flow rate of a river. A rapid mountain stream carries far less water than the Amazon River in Brazil, for example. Let's do it that way, just to convince ourselves that the methods are the same.

### What Is Fluid Dynamics?

Fluids can flow steadily, or be turbulent.

### 14.7: Fluid Dynamics

Another method for representing fluid motion is a streamline.

### 14.7: Fluid Dynamics

For the same volume to pass points 1 and 2 in a given time, the speed must be greater at point 2. Unsurprisingly, fluid statics can be considered to be a little less thrilling much of the time than fluid dynamics. Note that Re is not only a property of the fluid; it also includes the conditions of its flow such as its speed and the size and shape of the conduit or any obstructions.

## **Fluid Dynamics**

The fluid flow equations are solved simultaneously with electromagnetism.

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