

## Fluid Mechanics



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## FLUID MECHANICS



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paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 279 Publisher: Petroleum Industry Press Pub. Date :2006-2-1. The book has eleven chapters. Introduces the basic concepts of fluid motion. fluid motion followed by the basic equation; ideal fluid and viscous fluid flow; discussed frequently encountered in pipe flow engineering. non-Newtonian fluids. Contents: Chapter fluid flow fluid nature of the concept of Section II of the continuum hypothesis of fluid equation of state III IV V conduction coefficient of surface tension and capillarity problem Thinking Exercises Chapter hydrostatic First section static pressure and the characteristics of hydrostatic equilibrium equation II III IV pressure measurement function in the plane of section V of the role of static pressure on the surface of the static pressure in section VI of objects floating in the fluid potential in principle to think Fluid kinematics problem Exercises Chapter Section Lagrangian description of fluid motion described in Section II and Euler velocity field and acceleration field infinitesimal Section IV fluid particle motion exercises Rotational liquidity problems Chapter IV fluid thinking mechanical transport section the basic equations of conservation of mass principle Theorem II III IV angular momentum equation of the momentum equation. section V. Section VI of conservation of energy principle to think the initial and boundary conditions ideal fluid problem Exercises Chapter Section II Bernoulli Euler equation flow (Bernoulli) equation and applications III Kelvin (Kelvin) vortex line energy conservation theorem of Section V the velocity potential function and stream function thinking exercises Chapter sticky problem laminar flow of fluid within the friction law generalized Newtonian Section II Navier - Stokes equations in section III. the kinetic energy balance and energy balance equations and dimensional analysis similar to Section V of incompressible viscous fluid...



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