



# Fluid Mechanics and Hydraulics (Revised & Updated)

By Suresh Ukarande

Ane Books Pvt. Ltd, 2014. Softcover. Book Condition: New. The book ?Fluid Mechanics and Hydraulics? has been designed to meet the needs of the students pursuing their Engineering in Civil, Mechanical and Chemical disciplines at any college across India. This book is written in a simple language, so that the average student will understand the subject with self-study. This book will be useful to diploma, degree and A.M.I.E. examinations. Every attempt has been made to illustrate the text by giving number of solved problems topic wise as well as in the form of exercise problems with their answers. This will help students to understand the basic fundamentals through problems. Contents

1. Fluid Properties
2. Fluid Pressure Measurement
3. Hydrostatic Forces on Surfaces
4. Buoyancy and Floatation
5. Fluids in Relative Equilibrium
6. Kinematics of Fluid Flow
7. Dynamics of Fluid Flow
8. Orifices and Mouthpieces
9. Notches and Weirs
10. Laminar Flow
11. Turbulent Flow in Circular Pipes
12. Pipe Flow System
13. Water Hammer Theory
14. Boundary Layer and Forces on Submerged Bodies
15. Flow through Open Channel
16. Dimensional Analysis and Model Testing
17. Compressible Fluid Flow
18. Impact of Jet on Plates and Jet Propulsion
19. Hydraulic...



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