



Fluid Mechanics and Hydraulic Machines

Author :	S.S. Rattan
ISBN 13 :	978-81-87522-46-1
ISBN 10 :	81-87522-46-1
E-ISBN 13 :	978-81-87522-46-1
Edition :	1
Pages :	752
Type of book :	Paperback
Weight (g) :	963.00
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
Regular Price :	Rs 449.00
Sale Price :	Rs 359.20
Categories :	All books , Mechanical Engineering , Mechanical Engineering , UNIVERSITY RECOMMENDED
Condition Type :	New
Country Origin :	India

Product Description

Written in an innovative style, this book in SI system of units is a complete treatise on fluid mechanics and hydraulic machines. It presents the subject matter in an explicit, lucid and comprehensive manner. Simple mathematical models have been used to describe the intricate physical concepts.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Table of Contents

Chapter 1: Fluid Pressure Chapter 2: Submerged Surfaces Chapter 3: Buoyancy Chapter 4: Fluid Kinematics Chapter 5: Fluid Dynamics Chapter 6: Orifices and Mouthpieces Chapter 7: Notches and Weirs Chapter 8: Dimensional Analysis Chapter 9: Viscous flow Chapter 10: Turbulent Flow Chapter 11: Pipe Flow Chapter 12: Flow in Open Channels Chapter 13: Boundary Layer Theory Chapter 14: Immersed Bodies Chapter 15: Compressible Flow Chapter 16: Impact of Jets Chapter 17: Hydraulic Turbines Chapter 18: Hydraulic Pumps Chapter 19: Miscellaneous Fluid Machines

Author

S.S. Rattan Dr. S.S. Rattan is currently Assistant Professor in the Department of Mechanical Engineering at the Regional Engineering College, Kurukshetra. He did his post graduation in Mechanical Engineering from Punjab Engineering College, Chandigarh in 1981. Since then he has been engaged in teaching and researching. He obtained his Ph.D. degree from Kurukshetra University in 1995 in the field of Tribology. He has authored several papers which have been published in national and international journals. He is also the author of two other books-Theory of Machines and Fluid machines. He is a member of Society of Fluid Mechanics and Fluid Power India.

