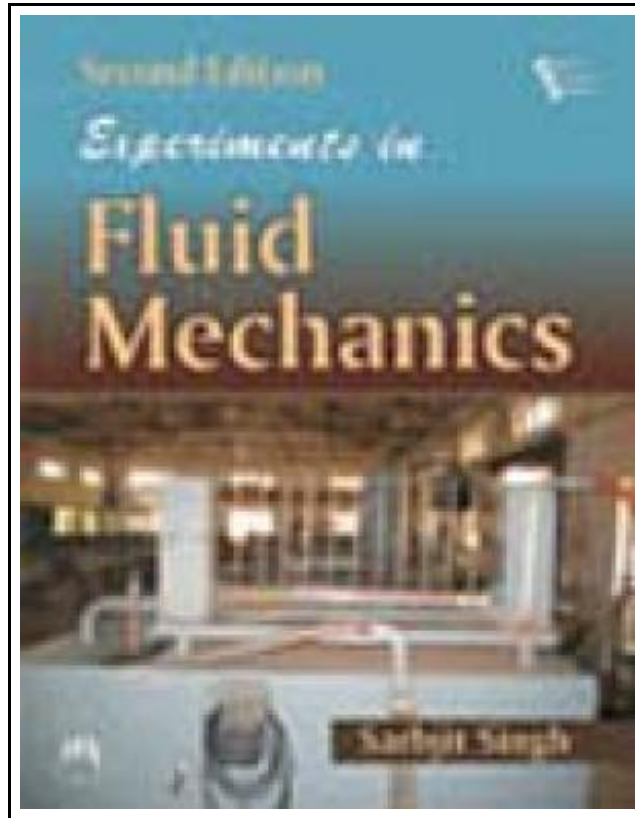


Experiments in Fluid Mechanics, (Second Edition)



Filesize: 6.98 MB

Reviews

Completely among the finest book I have actually read through. It is probably the most remarkable book we have study. I discovered this book from my dad and i suggested this book to learn.
(Georgiana Pacocha)

EXPERIMENTS IN FLUID MECHANICS, (SECOND EDITION)



PHI Learning, 2012. Softcover. Book Condition: New. 2nd edition. 18 x 24 cm. This Second Edition contains 18 experiments in Fluid Mechanics, selected from the prescribed curriculum of various universities and institutes. The laboratory work in Fluid Mechanics is undertaken by the undergraduate engineering students of several branches such as civil, mechanical, production, aerospace, chemical, biotechnology, electrical (wherever prescribed), and instrumentation and control (wherever prescribed). The first part of the book allows the students to review the fundamental theory before stepping into the laboratory environment. The second part enumerates the experimental set-ups, and provides a concluding discussion of each experiment. Appendix A gives various questions based on each experiment to test the student's understanding of the learned material. Appendix B gives data on physical properties of water, air and some commonly used fluids in the laboratory, and also lists other standard data to be used in various experiments. Contents Preface PART I: THEORY OF FLUID MECHANICS Fluid Mechanics: An Introduction PART II: EXPERIMENTS Experiment 1. Flow Through a Variable Duct Area?Bernoulli's Experiment Experiment 2. Calibration of Venturimeter Experiment 3. Calibration of Orificemeter Experiment 4. Determination of Friction Factor for Pipes of Different Materials Experiment 5. Determination of Loss coefficients for Pipe Fittings Experiment 6. Verification of Momentum Equation Experiment 7. Calibration of V-notch Experiment 8. Determination of Hydrostatic Force on a Vertically Submerged Surface Experiment 9. Determination of Hydraulic Coefficients of Orifice Experiment 10. Determination of Coefficient of Discharge of Circular Orifice Using Variable Head Method Experiment 11. Determination of Metacentric Height Experiment 12. Drawing of Flow Net: Hele-Shaw Method and Electrical Analogy Method Experiment 13. Calibration of Rotameter Experiment 14. Transition of Flow?Reynolds Experiment Experiment 15. Free Vortex Flow Experiment 16. Forced Vortex Flow Experiment 17. Centrifugal Pump Test Rig Experiment 18. Flow in a Pipe Bend Appendix A...



Read Experiments in Fluid Mechanics, (Second Edition) Online

Download PDF Experiments in Fluid Mechanics, (Second Edition)

Other PDFs



Read Write Inc. Phonics: Orange Set 4 Storybook 2 I Think I Want to be a Bee (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 209 x 149 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Save eBook »](#)



xk] 8 - scientific genius kids favorite game brand new genuine(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2010-01-01 Pages: 270 Publisher: Dolphin Publishing Our Books all book of...

[Save eBook »](#)



scientific literature retrieval practical tutorial(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 241 Publisher: Chongqing University Press Pub. Date :2003-08. This book is the...

[Save eBook »](#)



Hope for Autism: 10 Practical Solutions to Everyday Challenges (Paperback)

Seaborough Enterprises Publishing, United States, 2015. Paperback. Book Condition: New. Initial ed.. 203 x 127 mm. Language: English . Brand New Book ***** Print on Demand *****. Hope for Autism: 10 Practical Solutions to Everyday...

[Save eBook »](#)



EU Law Directions (Paperback)

Oxford University Press, United Kingdom, 2014. Paperback. Book Condition: New. 4th ed.. 242 x 188 mm. Language: English . Brand New Book. With a readable and modern writing style, EU Law Directions clearly explains the...

[Save eBook »](#)