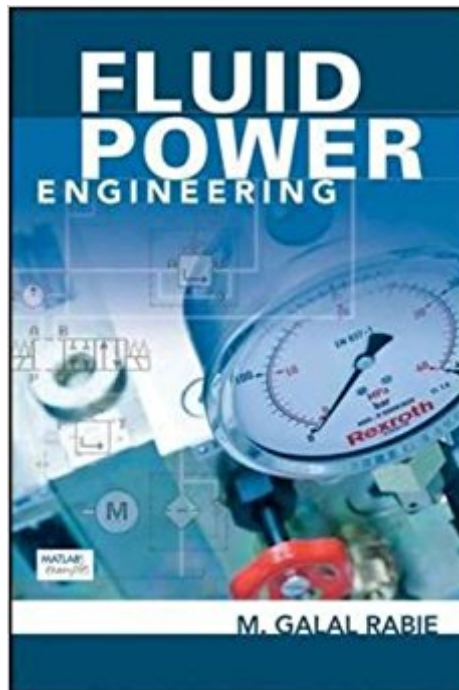




Ebook Directory
the best source of ebook

The book was found

Fluid Power Engineering



Synopsis

Develop high-performance hydraulic and pneumatic power systems
Design, operate, and maintain fluid and pneumatic power equipment using the expert information contained in this authoritative volume. Fluid Power Engineering presents a comprehensive approach to hydraulic systems engineering with a solid grounding in hydrodynamic theory. The book explains how to create accurate mathematical models, select and assemble components, and integrate powerful servo valves and actuators. You will also learn how to build low-loss transmission lines, analyze system performance, and optimize efficiency. Work with hydraulic fluids, pumps, gauges, and cylinders
Design transmission lines using the lumped parameter model
Minimize power losses due to friction, leakage, and line resistance
Construct and operate accumulators, pressure switches, and filters
Develop mathematical models of electrohydraulic servosystems
Convert hydraulic power into mechanical energy using actuators
Precisely control load displacement using HSAs and control valves
Apply fluid systems techniques to pneumatic power systems

Book Information

Hardcover: 448 pages

Publisher: McGraw-Hill Education; 1 edition (June 8, 2009)

Language: English

ISBN-10: 0071622462

ISBN-13: 978-0071622462

Product Dimensions: 6.3 x 1.2 x 9.3 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,255,962 in Books (See Top 100 in Books) #99 in Books > Engineering & Transportation > Engineering > Aerospace > Aerodynamics #318 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Technology #331 in Books > Engineering & Transportation > Engineering > Chemical > Fluid Dynamics

Customer Reviews

Mahmoud Galal El-Din Mohamed Rabie, Ph.D., is a professor in the Manufacturing Engineering and Production Technology Department, Modern Academy for Engineering and Technology, Cairo, Egypt.

It is a good reference manual, it's not a good textbook. There are hardly any examples, no answers to check your work and no handy conversions. Do you remember how many gallons are in a cubic meter? do you remember that a cSt- $10^{-6} \text{ m}^2/\text{s}$? Do you remember that $1 \text{ P} = 0.1 \text{ Ns/m}^2$? They are either difficult to find or not in the book at all. (those two are hidden on pages 16 and 17.)

[Download to continue reading...](#)

Solar Power: The Ultimate Guide to Solar Power Energy and Lower Bills: (Off Grid Solar Power Systems, Home Solar Power System) (Living Off Grid, Wind And Solar Power Systems) Power Training: For Combat, MMA, Boxing, Wrestling, Martial Arts, and Self-Defense: How to Develop Knockout Punching Power, Kicking Power, Grappling Power, and Ground Fighting Power Power Pivot and Power BI: The Excel User's Guide to DAX, Power Query, Power BI & Power Pivot in Excel 2010-2016 Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice, 4e (Fluid Therapy In Small Animal Practice) Fluid Mechanics for Chemical Engineers (UK Higher Education Engineering Chemical Engineering) Fluid Power Engineering Nuclear energy. Radioactivity. Engineering in Nuclear Power Plants: Easy course for understanding nuclear energy and engineering in nuclear power plans (Radioactive Disintegration) Fluid Mechanics (Mechanical Engineering) Fluid Mechanics Fundamentals and Applications (Mechanical Engineering) Compressible Fluid Dynamics (Advanced engineering series) Biofluid Mechanics, Second Edition: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation (Biomedical Engineering) Introduction to Thermal Systems Engineering: Thermodynamics, Fluid Mechanics, and Heat Transfer Fluid Mechanics for Chemical Engineers (McGraw-Hill Chemical Engineering) Engineering Fluid Mechanics Fluid Mechanics With Engineering Applications Viscous Fluid Flow (McGraw-Hill Mechanical Engineering) Fluid Mechanics with Student DVD (McGraw-Hill Series in Mechanical Engineering) Process Fluid Mechanics, (Prentice-Hall International Series in the Physical and Chemical Engineering Sciences) Fluid Mechanics (Mcgraw-Hill Series in Mechanical Engineering) A Brief Introduction to Fluid Mechanics (Mechanical Engineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)