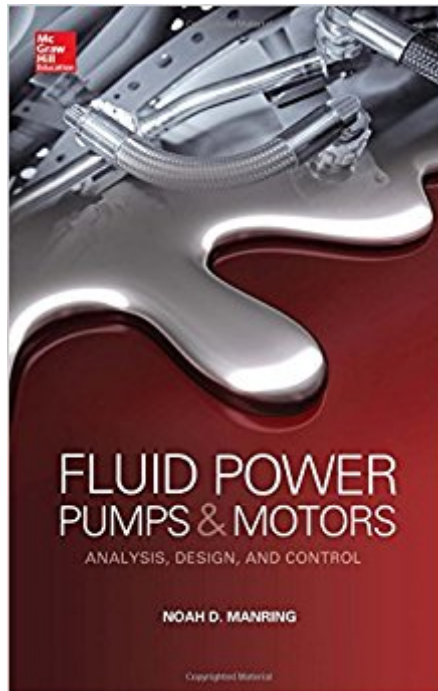




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Fluid Power Pumps And Motors: Analysis, Design And Control



Synopsis

A COMPLETE GUIDE TO FLUID POWER PUMPS AND MOTORS Written by an expert in the field of fluid power, this book provides proven methods for analyzing, designing, and controlling high-performance axial-piston swash-plate type machinery. Fluid Power Pumps and Motors: Analysis, Design, and Control offers a comprehensive mechanical analysis of hydrostatic machines and presents meticulous design guidelines for machine components. Detailed diagrams and useful formulas are included throughout. Using the results and techniques employed in this practical resource will reduce product delivery lead-time and costs to increase overall efficiency. **COVERAGE INCLUDES:** Fluid properties | Fluid mechanics | Mechanical analysis Piston pressure | Steady-state results | Machine efficiency Designing a cylinder block, valve plate, piston, slipper, swash plate, and shaft | Displacement controlled pumps Pressure controlled pumps

Book Information

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Average Customer Review: 3.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

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Customer Reviews

This book is very well written and thorough in its explanation of how to design a cylinder driven hydrostatic drive. The reason I gave it three stars instead of five is because the title is misleading. The title makes you think that the book is going to talk about numerous designs of pumps and motors. Instead, only one design is discussed--a major shortfall in my eyes. I was hoping this book would cover items like the Francis turbine, gear motors, screw motors, various pump designs, etc. However, it was just the one design that was discussed.

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