



Fluid Power: Generation, Transmission and Control

By Jagadeesha T, Thammaiah Gowda

Wiley India Pvt. Ltd, 2013. Softcover. Book Condition: New. Fluid Power - Generation, Transmission and Control provides an integrated treatment of hydraulic systems for courses in undergraduate and postgraduate level. The stress is on interdisciplinary nature of subject, and examples have been drawn from various engineering disciplines to illustrate the basic concepts. A strong emphasis has been laid on theory and mathematical treatment of practical systems. Accompanied by more than 500 drawings, the book offers fundamental dynamics and control studies under various conditions. reface Acknowledgements About the Authors Nomenclature 1 Introduction to Fluid Power Learning Objectives 1.1 Introduction 1.2 Fluid Power and Its Scope 1.3 Classification of Fluid Power Systems 1.4 Hydrostatic and Hydrodynamic Systems 1.5 History of Fluid Power 1.6 Advantages of a Fluid Power System 1.7 Disadvantages of a Fluid Power System 1.8 Basic Components of a Hydraulic System 1.8.1 Advantages of the Hydraulic System 1.8.2 Disadvantages of the Hydraulic System 1.9 Basic Components of a Pneumatic System 1.9.1 Advantages of a Pneumatic System 1.9.2 Disadvantages of a Pneumatic System 1.10 Comparison between Hydraulic and Pneumatic Systems 1.11 Comparison of Different Power Systems 1.12 Future of Fluid Power Industry in India 2 Properties of Fluid Learning Objectives 2.1 Introduction...

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