



Hydraulic Control Systems: Theory And Practice (Paperback)

By Takao Nishiumi, Shizurou Konami

World Scientific Publishing Co Pte Ltd, Singapore, 2016. Paperback. Condition: New. Reprint. Language: English . Brand New Book. A hydraulic system controls the transmission of energy. It transforms the mechanical energy of a prime motor into fluid energy. It controls the fluid configuration and transforms the fluid energy into mechanical work at specified locations. Hydraulic systems feature high power density, sensitive response and precision of control, especially when operating under computer control. Thus, they have been widely used as the energy transmission control systems in aircraft, ships, construction machinery, machine tools and others. Therefore, it is indispensable for a mechanical engineer to become versed with hydraulic control technology. The technology is mainly associated with fluid mechanics and control theories, but it is related to the wider field of engineering as well. This book provides a comprehensive treatment of the analysis and design of hydraulic control systems which will be invaluable for practising engineers, as well as undergraduate and graduate students specializing in mechanical engineering. Firstly, the fundamental concepts of hydraulic control systems are addressed, and illustrated by reference to applications in the field of aviation engineering. Secondly, the fluid mechanics necessary for the comprehension of hydraulic elements are provided. The technology...



READ ONLINE
[9.15 MB]

Reviews

This composed pdf is great. It usually will not cost too much. I am very easily can get a pleasure of reading a composed book.
-- **Luis Klein**

The book is simple in read safer to comprehend. It is writter in straightforward words and phrases instead of confusing. You wont truly feel monotony at anytime of your time (that's what catalogues are for concerning in the event you request me).
-- **Brannon Koch**