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| Pubbl/distr/stampa      | Cambridge : , : Cambridge University Press, , 2009   |
| ISBN                    | 1-107-19386-9<br>0-511-69935-2<br>9786612393570<br>0-511-64752-2<br>1-282-39357-X<br>1-139-17524-6<br>0-511-65160-0<br>0-511-60227-8<br>0-511-60436-X<br>0-511-60358-4<br>0-511-60280-4  |
| Descrizione fisica      | 1 online resource (xiii, 494 pages) : digital, PDF file(s)   |
| Disciplina              | 629.8/042  |
| Soggetti                | Fluid power technology<br>Hydraulic control<br>Hydraulic motors  |
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| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Title from publisher's bibliographic system (viewed on 05 Oct 2015).   |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | ; 1. Introduction, Applications, and Concepts -- ; 2. Introduction to Fluid Properties -- ; 3. Steady-State Characteristics of Circuit Components -- ; 4. Steady-State Performance of Systems -- ; 5. System Dynamics -- ; 6. Control Systems -- ; 7. Some Case Studies.   |
| Sommario/riassunto      | This exciting reference text is concerned with fluid power control. It is an ideal reference for the practising engineer and a textbook for advanced courses in fluid power control. In applications in which large forces and/or torques are required, often with a fast response time, oil-hydraulic control systems are essential. They excel in environmentally difficult applications because the drive part can be |

designed with no electrical components and they almost always have a more competitive power/weight ratio compared to electrically actuated systems. Fluid power systems have the capability to control several parameters, such as pressure, speed, position, and so on, to a high degree of accuracy at high power levels. In practice there are many exciting challenges facing the fluid power engineer, who now must preferably have a broad skill set.

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