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Autore	Gerardin, H.
Titolo	Théorie des moteurs hydrauliques, applications et travaux exécutés pour l'alimentation du canal de l'Aisne à laMarne par des machines / par H. Gerardin
Pubbl/distr/stampa	Paris : Gauthier-Villars, 1872-
Descrizione fisica	v. ; 50 cm
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Titolo	Advances in control and automation of water systems // Kaveh Hariri Asli. [et al.]
Pubbl/distr/stampa	Toronto : , : Apple Academic Press, , 2013
ISBN	0-429-09754-9 1-4665-5929-2
Descrizione fisica	1 online resource (187 p.)
Altri autori (Persone)	AsliKaveh Hariri
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; List of Contributors; List of Abbreviations; Preface; Chatper 1: A Numerical Exploration of Transient Decay Mechanisms in Water Distribution Systems; Chapter 2: Mathematical Modeling of Hydraulic Transients in Simple Systems; Chapter 3: Modeling One and Two-phase Water Hammer Flows; Chapter 4: Water Hammer and Hydrodynamics' Instability; Chapter 5: Hadraulic Flow Control in Binary Mixtures; Chapter 6: An Efficient Accurate Shock-capturing Scheme for Modeling Water Hammer Flows; Chapter 7; Applied Hydraulic Transients: Automation and Advanced Control Chapter 8: Improved Numerical Modeling for Perturbations in Homogeneous and Stratified FlowsChapter 9: Computational Model for Water Hammer Disaster; Chapter 10: Heat and Mass Transfer in Binary Mixtures: A Computational Approach; Back Cover
Sommario/riassunto	Control and automation of water systems in one of the branches of fluid mechanics and hydraulics that uses numerical methods and algorithms to solve and analyze problems that involve fluid flows. Computers are used to perform the millions of calculations required to simulate the interaction of liquids and gases with surfaces defined by boundary conditions. Advances in Control and Automation of Water Systems presents topical research in the study of control and automation of water systems.The editors use the simulation of a water

hammer (or fluid hammer) as the
