1. Record Nr. UNISALENTO991003734629707536

Autore	Barberi, Benedetto
Titolo	La misura del capitale : aspetti teorici e operativi : il capitale dell'Italia dal 1953 al 1965 / Benedetto Barberi. Appendice tecnica : Giovanni d'Erme : calcolo del capitale dell'Italia dal 1953 al 1965 in base al metodo dell'inventario perpetuo
Pubbl/distr/stampa	Roma : Ceres, [19--?]
Descrizione fisica	229 p. ; 22 cm
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Altri autori (Persone)	D'Erme, Giovanni
Disciplina	332.041
Soggetti	Capitale - Italia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNICASMIL0356496

Autore	Vergilius Maro, Publius
Titolo	Libri 7.-12
Pubbl/distr/stampa	Leidae, : apud H. W. Hazenberg, 1843
Descrizione fisica	498 p. ; 23 cm.
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNINA9911019672003321

Autore	Mory Mathieu
Titolo	Mechanical Energy Conversion : Exercises for Scaling Renewable Energy Systems
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (295 pages)
Disciplina	621.042
Soggetti	Energy conversion Renewable energy sources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Foreword -- Preface -- Acknowledgments -- Introduction -- Chapter 1 Revision of Fluid Mechanics -- 1.1. Euler's equations -- 1.2. Head and Bernoulli's theorem -- 1.3. Hydrostatics and variation of pressure in a direction

perpendicular to a streamline -- 1.4. Linear head losses -- 1.5. Singular head losses -- 1.6. Head variation along a streamline -- 1.7. Kinetic energy balance on a fluid volume -- 1.8. Momentum theorem -- 1.9. Angular momentum theorem -- 1.10. Irrotational flows, potential flows -- Chapter 2 Hydraulic Turbomachines -- 2.1. General information on turbomachinery -- 2.1.1. Turbopumps and turbines -- 2.1.2. Notions of aerodynamics -- 2.1.3. Principle of mechanical conversion: force and power, velocity triangle, fixed reference and mobile reference -- 2.1.4. Rotor and stator -- 2.1.5. Machine with infinite number of blades -- 2.1.6. Similarity of Combe-Rateau -- 2.1.7. Specific speed and classification of roto-dynamic machines -- 2.2. Pump dimensioning -- 2.2.1. Classification of roto-dynamic pumps -- 2.2.2. Centrifugal pumps -- 2.3. Turbine dimensioning -- 2.3.1. Classification of roto-dynamic turbines -- 2.3.2. Dimensioning of Pelton turbines -- 2.4. Exercise: centrifugal pump model -- 2.4.1. Solution -- 2.5. Exercise: radial flow turbine model -- 2.5.1. Solution -- Chapter 3 Wind Power -- 3.1. General -- 3.1.1. The wind resource -- 3.1.2. Energy conversion by a wind turbine -- 3.1.3. The development of the wind power sector in France and in Europe -- 3.2. Exercise: flow through a wind turbine - Betz formula -- 3.2.1. Solution -- 3.3. Exercise: wind turbine rotor model -- 3.3.1. Solution -- Chapter 4 Tidal Energy -- 4.1. General information and status of the sector -- 4.2. Exercise: energy model of the Rance plant -- 4.2.1. Solution -- 4.3. Exercise: sizing a Kaplan turbine.
4.3.1. Solution -- 4.4. Exercise: marine current turbines farm and modification of currents -- 4.4.1. Solution -- Chapter 5 Hydroelectric Power -- 5.1. Hydroelectric power history and data -- 5.2. Exercise: maximum power provided by a hydroelectric power station -- 5.2.1. Solution -- 5.3. Exercise: dimensioning of a PSH power plant -- 5.3.1. Part I - turbine study -- 5.3.2. Part II - study of pumping -- 5.3.3. Part III - production plants and operation of the hydroelectric power station -- 5.3.4. Solution -- Chapter 6 Osmotic Energy -- 6.1. The phenomenon of osmosis -- 6.2. Exercise: sizing an electricity production system using osmotic energy -- 6.2.1. Solution -- 6.3. State of the art of osmotic energy technology -- Chapter 7 Ocean Thermal Energy Conversion -- 7.1. The OTEC process -- 7.2. Exercise: sizing an OTEC installation using a closed Rankine cycle -- 7.2.1. Sizing of the closed Rankine cycle -- 7.2.2. Sizing of heat exchangers -- 7.2.3. Sizing of deep sea water pumping and conclusions -- 7.3. State of play of the OTEC sector -- 7.4. Guide to sizing a heat exchanger -- Chapter 8 Wave Energy -- 8.1. Surface gravity wave theory -- 8.1.1. General -- 8.1.2. Kinematics of linear surface waves -- 8.1.3. Wave energy and energy flow -- 8.1.4. Reflection of a wave by a vertical wall -- 8.1.5. A laboratory experiment achieving total recovery of the wave energy flow -- 8.1.6. Recovery of wave energy by an oscillating flap or by a heaving buoy -- 8.2. Exercise: sizing an oscillating flap wave energy converter -- 8.2.1. Solution -- 8.3. State of play on wave energy recovery -- References -- Index -- Other titles from ISTE in Energy -- EULA.

Sommario/riassunto

Mechanical Energy Conversion: Exercises for Scaling Renewable Energy Systems by Mathieu Mory offers a comprehensive guide on mechanical energy conversion techniques, with a focus on scaling renewable energy systems. The book covers fundamental principles of fluid mechanics and details the operation of hydraulic turbomachines, wind power, and tidal energy systems. It aims to provide readers with practical exercises to understand the dynamics of energy conversion and the engineering behind renewable energy technologies. The target audience includes students, researchers, and professionals in the fields

of mechanical engineering and renewable energy.