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Sommario/riassunto	"Design of Thermal Energy Systems provides a comprehensive introduction to the design and analysis of thermal energy systems. It covers the fundamentals and applications in thermal energy systems and components, including conventional power generation and cooling systems, renewable energy systems, heat recovery systems, heat sinks and thermal management. Practical examples are used throughout and are drawn from solar energy systems, fuel cell and battery thermal management, electrical and electronics cooling, engine exhaust heat and emissions and manufacturing processes. Recent research topics such as steady and unsteady state simulation and optimization methods are also included. Design of Thermal Energy Systems applies thermal analysis techniques to generate design specification and ratings, and demonstrates how to design thermal systems and components to meet engineering specifications. It also considers alternative options and allows for the estimation of cost and feasibility of thermal systems. A number of worked out design problems using MathCAD are included to demonstrate design methodologies and iterations. It is accompanied by a website hosting software, a solutions manual and powerpoint slides"--

