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Autore	Fritzson Peter A. <1952->
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Basic Concepts -- A Quick Tour of Modelica -- Classes and Inheritance -- System Modeling Methodology -- The Modelica Standard Library -- Appendix A: Glossary -- Appendix B: OpenModelica and OMNotebook Commands -- Appendix C: Textual Modeling with OMNotebook and DrModelica -- Appendix D: Graphical Modeling Exercises -- References -- Index.
Sommario/riassunto	Master modeling and simulation using Modelica, the new powerful, highly versatile object-based modeling language Modelica, the new object-based software/hardware modeling language that is quickly gaining popularity around the world, offers an almost universal approach to high-level computational modeling and simulation. It handles a broad range of application domains, for example mechanics, electrical systems, control, and thermodynamics, and facilitates general notation as well as powerful abstractions and efficient implementations. Using the versatile Modelica language and its assoc