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Nota di contenuto	chapter 1 Setting the Stage: Complex Systems, Emergence and Evolution / Mariam Kiran -- chapter 2 Artificial Agentss / Mariam Kiran -- chapter 3 Designing X-Agents Using FLAME / Mariam Kiran -- chapter 4 Getting Started with FLAME / Mariam Kiran -- chapter 5 Agents in Social Science / Mariam Kiran -- chapter 6 Agents in Economic Markets and Games / Mariam Kiran -- chapter 7 Agents in Biology / Mariam Kiran -- chapter 8 Testing Agent Behavior / Mariam Kiran -- chapter 9 FLAME's Future / Mariam Kiran.
Sommario/riassunto	This book discusses various aspects of agent-based modeling and simulation using FLAME (Flexible Large-scale Agent-Based Modeling Environment) which is a popular agent-based modeling environment that enables automatic parallelization of models. Along with a focus on the software engineering principles in building agent-based models, the book comprehensively discusses how models can be written for various domains including biology, economics and social networks. The book also includes examples to guide readers on how to write their own models.