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Titolo	Culture on the Edge of Chaos : Cultural Algorithms and the Foundations of Social Intelligence / / by Robert G. Reynolds
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Disciplina	006.3
Soggetti	Artificial intelligence Computational intelligence Application software Social sciences—Data processing Social sciences—Computer programs Artificial Intelligence Computational Intelligence Computer Appl. in Social and Behavioral Sciences Computational Social Sciences
Lingua di pubblicazione	Inglese
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Nota di contenuto	The Cultural Algorithm: Culture on the Edge of Chaos -- Cultural Algorithm Framework -- Modeling the Social Fabric -- Generating Chaos -- Social Metrics -- The Cultural Engine: Putting Individuals to Work -- Comparing Nuclear Family and Extended Family Organizations -- Comparison of Lineage Based Subculture Social Organization Performance -- Conclusions -- References.
Sommario/riassunto	The author first introduces the basic framework for cultural algorithms and he then explains the social structure of a cultural system as a mechanism for the distribution of problem-solving information throughout a population. Three different models for social organizations are presented: the homogeneous (nuclear family), heterogeneous (expanded family), and subculture (descent groups) social models. The chapters that follow compare the learning capabilities of these social organizations relative to problems of varying

complexity. The book concludes with a discussion of how the results can impact our understanding of social evolution.
