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Autore	Sigmund Karl <1945->
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Collana	Princeton series in theoretical and computational biology
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Chapter One. Introduction: Social Traps and Simple Games -- Chapter Two. Game Dynamics and Social Learning -- Chapter Three. Direct Reciprocity: The Role of Repetition -- Chapter Four. Indirect Reciprocity: The Role of Reputation -- Chapter Five. Fairness and Trust: The Power of Incentives -- Chapter Six. Public Goods and Joint Efforts: Between Freedom and Enforcement -- Chapter Seven. Cooperation in Structured Populations -- References -- Index
Sommario/riassunto	How does cooperation emerge among selfish individuals? When do people share resources, punish those they consider unfair, and engage in joint enterprises? These questions fascinate philosophers, biologists, and economists alike, for the "invisible hand" that should turn selfish efforts into public benefit is not always at work. The Calculus of Selfishness looks at social dilemmas where cooperative motivations are subverted and self-interest becomes self-defeating. Karl Sigmund, a pioneer in evolutionary game theory, uses simple and well-known game theory models to examine the foundations of collective action and the effects of reciprocity and reputation. Focusing on some of the best-known social and economic experiments, including games such as the Prisoner's Dilemma, Trust, Ultimatum, Snowdrift, and Public Good,

Sigmund explores the conditions leading to cooperative strategies. His approach is based on evolutionary game dynamics, applied to deterministic and probabilistic models of economic interactions. Exploring basic strategic interactions among individuals guided by self-interest and caught in social traps, *The Calculus of Selfishness* analyzes to what extent one key facet of human nature--selfishness--can lead to cooperation.

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