

1. Record Nr.	UNINA9910954238303321
Titolo	Conflict, complexity and mathematical social science / / edited by Gordon Burt
Pubbl/distr/stampa	Bingley, : Emerald, 2010
ISBN	9786612753008 9781282753006 1282753002 9781849509732 1849509735
Edizione	[1st ed.]
Descrizione fisica	1 online resource (286 p.)
Collana	Contributions to conflict management, peace economics and development, , 1572-8323 ; ; v. 15
Altri autori (Persone)	BurtGordon
Disciplina	303.60151
Soggetti	Political Science - General Social Science - Sociology - General Political science & theory Mathematical logic Social conflict - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	ch. 1. Introduction and overview / Gordon Burt -- ch. 2. Set theory and social reality / Gordon Burt -- ch. 3. Mathematics, logic, artificial intelligence and ordinary language / Gordon Burt -- ch. 4. Possibility and probability : value, conflict and choice / Gordon Burt -- ch. 5. Theory, evidence and reality : the mean and median ideals of competing groups / Gordon Burt -- ch. 6. Social design, ethics and the amount of value / Gordon Burt -- ch. 7. Change, multiple-entity systems and complexity / Gordon Burt -- ch. 8. Mathematical psychology / Gordon Burt -- ch. 9. Models of individual choice / Gordon Burt -- ch. 10. Mathematical sociology / Gordon Burt -- ch. 11. Mathematical political science and game theory / Gordon Burt -- ch. 12. The mathematical economics of social participation : complexity / Gordon Burt -- ch. 13. Life and history : the speculative pursuit of value / Gordon Burt -- ch. 14. World history : the growth and

distribution dynamics of power, truth and value / Gordon Burt -- ch. 15. Debating the mathematical science approach to international relations / Gordon Burt.

Sommario/riassunto

Conflict, Complexity and Mathematical Social Science provides a foundational mathematical approach to the modelling of social conflict. The book illustrates how theory and evidence can be mathematically deepened and how investigations grounded in social choice theory can provide the evidence needed to inform social practice. Countering criticism from constructivist viewpoints it shows how discourse is grounded in mathematical logic and mathematical structure. The modelling of social conflict is viewed as an application of mathematical social science and relevant models are drawn from each field of mathematical psychology, mathematical sociology, mathematical political science and mathematical economics. Unique in its multidisciplinary focus the book brings together powerful mathematical conceptualisations of the social world from a wide range of separate areas of inquiry, thereby providing a strong conceptual framework and an integrated account of social situations. It is a vital resource for all researchers in peace science, peace and conflict studies, politics, international relations, mathematical modelling in the social sciences and complexity theory.