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Altri autori (Persone)	BurtGordon
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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.

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### 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.

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