

1. Record Nr.	UNINA9910820223103321
Titolo	The mathematics of decisions, elections, and games // Karl-Dieter Crisman, Michael A. Jones, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2014 ©2014
ISBN	1-4704-1930-0
Descrizione fisica	1 online resource (229 p.)
Collana	Contemporary Mathematics, , 1098-3627 ; ; 624
Classificazione	91-0691A0591A1291A2091B0691B0891B1291B1491B3291F10
Disciplina	519.3
Soggetti	Game theory Statistical decision Probabilities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"AMS Special Sessions on The Mathematics of Decisions, Elections, and Games, January 4, 2012, Boston, MA, Janaury 11-12, 2013, San Diego, CA."--Cover.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	""Preface""; ""Redistricting and district compactness""; ""1. Introduction: Redistricting and Gerrymandering""; ""2. Measuring Compactness""; ""3. Criteria for Compactness Measures and Discussion""; ""References""; ""Fair division and redistricting""; ""1. Introduction""; ""2. Fair Division""; ""3. Redistricting: the problem of partisan unfairness""; ""4. What is a party's fair share?""; ""5. The ranking protocol""; ""6. The fair division redistricting protocol""; ""7. Conclusion""; ""References""; ""When does approval voting make the a€œright choicesa€œ?""; ""1. Introduction"" ""2. Judging Multiple Proposals"" ""3. State Dependence""; ""4. Proposal Dependence""; ""5. Other Kinds of Dependence""; ""6. Follow-the-Leader""; ""7. Applications to Politics""; ""8. Relationship to the Condorcet Jury Theorem (CJT)""; ""9. Conclusions""; ""References""; ""How indeterminate is sequential majority voting? A judgement aggregation perspective""; ""1. Introduction""; ""2. Preliminaries""; ""3. Global indeterminacy""; ""4. Full indeterminacy""; ""5. Generalized Antichains""; ""6. Condorcet entropy and almost full indeterminacy""; ""Conclusion""; ""Appendix: Proofs"" ""References"" ""Weighted voting, threshold functions, and zonotopes""; ""1. Introduction""; ""2. Hyperplane arrangements and zonotopes""; ""3.

The derived zonotope"; "4. Conclusions and future work"; "5. Acknowledgments"; "References"; "The Borda Count, the Kemeny Rule, and the Permutahedron"; "1. Introduction"; "2. Social Choice and Symmetry"; "3. Decompositions and Voting"; "4. Representations"; "5. Theorems and the Borda-Kemeny Spectrum"; "6. Looking Forward"; "7. Appendix"; "References"; "Double-interval societies"; "1. Introduction"; "2. Double-String Societies"; "3. Asymptotic approval ratios for double-string societies"; "4. A double-interval society lower bound"; "5. Modifying double-string societies"; "6. Conclusion and Open Questions"; "References"; "Voting for committees in agreeable societies"; "1. Introduction"; "2. Definitions"; "3. Votes Within a Ball"; "4. Concentric Voter Distributions"; "5. Main Theorem"; "6. Extensions"; "References"; "Selecting diverse committees with candidates from multiple categories"; "1. Introduction"; "2. Basic framework"; "4. A Dynamic Approach to Solving the Bankruptcy Problem"
