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Titolo	Mathematics to the Rescue of Democracy : What does Voting Mean and How can it be Improved? // by Paolo Serafini
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Descrizione fisica	1 online resource (XIII, 135 p. 12 illus., 2 illus. in color.)
Disciplina	324.9
Soggetti	Mathematics Game theory Economic theory Science—Social aspects Social policy Political science Popular Science in Mathematics Game Theory, Economics, Social and Behav. Sciences Economic Theory/Quantitative Economics/Mathematical Methods Societal Aspects of Physics, Outreach and Education Social Policy Political Science
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Nota di contenuto	1. Voting -- 2 Aggregating different evaluations into a unique evaluation -- 3 Condorcet -- 4 Borda -- 5 Simple majority and run-off voting -- 6 Impossible wishes -- 7 Majority Judgement -- 8 Legislative territorial representation -- 9 The United States Congress -- 10 Legislative political representation -- 11 Biproportional representation -- 12 Political districting -- 13 Some additional considerations (and personal) -- References -- Index.
Sommario/riassunto	This book explains, in a straightforward way, the foundations upon which electoral techniques are based in order to shed new light on what we actually do when we vote. The intention is to highlight the fact that

no matter how an electoral system has been designed, and regardless of the intentions of those who devised the system, there will be goals that are impossible to achieve but also opportunities for improving the situation in an informed way. While detailed descriptions of electoral systems are not provided, many references are made to current or past situations, both as examples and to underline particular problems and shortcomings. In addition, a new voting method that avoids the many paradoxes of voting theory is described in detail. While some knowledge of mathematics is required in order to gain the most from the book, every effort has been made to ensure that the subject matter is easily accessible for non-mathematicians, too. In short, this is a book for anyone who wants to understand the meaning of voting. .
