

1. Record Nr.	UNINA9910789739103321
Autore	Zimmer Carl
Titolo	More brain cuttings [[electronic resource]] : further explorations of the mind / / Carl Zimmer
Pubbl/distr/stampa	New York, : Scott & Nix, Inc., 2011
ISBN	1-935622-31-5 1-935622-29-3
Descrizione fisica	1 online resource (88 p.)
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Soggetti	Brain - Research Neurosciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"The essays in this edition were originally published in a slightly different form in Discover, The New York Times, and Scientific American."--T.p. verso.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Copyright; Contents; About the Author; Preface; A Body Fit for a Gigantic Brain; The Genius of Athletes; Switching on the Happy Rat; How the Brain Wires Itself; Past Is Prologue; Decoding the Smile; A Yardstick for the Nose; Love Songs and Cockatoo Dances; The Silly Putty Brain; Ringing in the Brain; Where Pain Lives; The Trouble with Teens; A Hundred Trillion Connections; Consciousness, Bit by Bit; Selected References
Sommario/riassunto	""The brain unfolds like a flower. The more I have explored neuroscience, the more it has rewarded me with new stories. In 2010, I published Brain Cuttings: Fifteen Journeys Through the Mind. Here are fifteen more journeys. In some pieces, I look at some of the surprising ways in which the brain works. In others, I consider some of the many ways the brain goes wrong. And finally, I try to look at the brain as a whole--how the 100 billion neurons add up to a person's life of the mind, and produce consciousness." -Carl Zimmer

2. Record Nr.	UNINA9910788636203321
Titolo	Algebraic aspects of Darboux transformations, quantum integrable systems and supersymmetric quantum mechanics : Jairo Charris Seminar 2010, Universidad Sergio Arboleda, Santa Marta, Colombia / / Primitivo B. Acosta-Humanez [and three others], editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society [Madrid] : , : Instituto de Matematicas y sus Aplicaciones, , [2012] ©2012
ISBN	0-8218-8535-9
Descrizione fisica	1 online resource (226 p.)
Collana	Contemporary mathematics, ; 563 , 0271-4132
Classificazione	12H0533E3081Q6081Q8082B2333E99
Disciplina	512/.56
Soggetti	Differential algebra Darboux transformations Quantum theory - Mathematics
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	Preface -- Spectral/quadrature duality: Picard-Vessiot theory and finite-gap potentials -- 1. Introduction -- 2. Background -- 3. Integrability of equation (1) by Picard-Vessiot -- 4. Spectral/quadrature duality. An integration procedure -- 5. The $I^\alpha$ -functons -- 6. Integration as a linearly exponential $I^\alpha$ -extension -- 7. Integrability and differential closedness -- 8. Definition of through Liouvillian extension -- 9. Non-finite-gap integrable counterexamples -- 10. Concluding remarks -- References -- Darboux transformation, exceptional orthogonal polynomials and information theoretic measures of uncertainty -- 1. Introduction -- 2. A brief outline of supersymmetric quantum mechanics -- 3. EOP's associated with broken supersymmetry -- 4. Relation with higher order Darboux transformation -- 5. Information-theoretic lengths for the partner potential of linear harmonic oscillator via supersymmetry -- 6. Moment of the quantum mechanical states associated with the partner of harmonic oscillator via supersymmetry -- 7. Discussion: -- References -- On orthogonal polynomials spanning a non-standard

flag -- 1. Introduction -- 2. Preliminaries -- 3. Codimension 1 flags -- 4. Higher codimension flags -- Acknowledgements -- References -- On the Supersymmetric Spectra of two Planar Integrable Quantum Systems -- 1. Introduction -- 2. =2 supersymmetric planar quantum systems -- 3. The planar quantum Kepler/Coulomb problem and supersymmetry -- 4. The planar quantum Euler/Coulomb problem and supersymmetry -- 5. Two center collapse in one center -- 6. Further comments -- Acknowledgements -- References -- Solvable rational extension of translationally shape invariant potentials -- Introduction -- 1. Solvable rational extensions of the harmonic oscillator -- 2. Second category potentials -- 3. Conclusion -- Acknowledgments -- References -- The pentagram map: geometry, algebra, integrability -- 1. Introduction: The pentagram map -- 2. Complete integrability of the pentagram map on the space  $\mathcal{P}$  -- 3. Relation to the Boussinesq equation -- 4. The space  $\mathcal{P}$  and 2-frieze patterns -- Acknowledgments -- References -- Jet Bundles, symmetries, Darboux transforms -- Elliptic beta integrals and solvable models of statistical mechanics.

3. Record Nr.	UNINA9910830761603321
Autore	Martenson Chris <1962->
Titolo	The crash course : the unsustainable future of our economy, energy, and environment / / Chris Martenson
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , 2011 ©2011
ISBN	1-118-01312-3 1-119-20091-1 1-283-02637-6 9786613026378 1-118-01310-7
Descrizione fisica	1 online resource (337 p.)
Disciplina	338.973/07 338.97307
Soggetti	Sustainable development - United States Economic forecasting - United States United States Economic conditions 2009-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

**Livello bibliografico****Monografia****Note generali**

Includes index.

**Nota di contenuto**

pt. 1. How to approach the next twenty years -- pt. 2. Foundation --  
pt. 3. Economy -- pt. 4. Energy -- pt. 5. Environment -- pt. 6.  
Convergence -- pt. 7. What should I do?

**Sommario/riassunto**

"<span style="font-size: small;"><span style="font-family: Times New Roman;">The economic chaos and turbulence we are now experiencing are merely the opening salvos in what will prove to be a long, disruptive period of adjustment for our world, our way of life, and our dreams and desires. Our choices now are to either evolve a new economic model that is compatible with limited physical resources, or to risk a catastrophic failure of our money, energy, and environment, and with it the basis for civilization as we know it today. <span style="mso-bidi-font-weight: bold;">The Crash Course explains why the disparate fields of economics, energy and the environment will be dramatically different in the next 20 years--in life-changing ways--from the way we have understood them in the previous 20 years. The first half of the book will build a sense of urgency regarding our present situation by revealing that our current trajectory is unsustainable. The second half will inspire and frame out what readers can do to meet these challenges using the author's extensive experience as a source of guidance and hope.

</span></span></span> <span style="font-size: small;"><span style="font-family: Times New Roman;"><span style="color: #000000;">People are waking up to the true condition of the economy and world in larger and larger numbers. However, as yet there remains a startling lack of positive, non fear-based materials that can speak to a wide audience and transform the intense emotions stirred by this content into meaningful action. This book will provide a lucid, factual forewarning of things to come, helping readers create positive plans of action in their lives in advance of the future's challenges. Given the rapidly shifting state of the economy, this perspective has a great deal of topical and timely relevance. </span>Through a clear, concise and illuminating explanation of demographics, debt, and the concepts of peak oil and net energy, Dr. Martenson will paint a startling portrait of the defining predicaments of our age and attest to why it is better to be a year early than a day late in recognizing, accepting and addressing the challenges we face.<span style="color: #000000;">  
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