



Causal Space-Time: Emergent Physics from Causality (Paperback)

By Richard D Bateson, Dr Richard D Bateson

Createspace, United States, 2010. Paperback. Book Condition: New. 220 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Causality - the concept of cause and effect - has long been viewed by philosophers, from Aristotle to Kant, as fundamental to our understanding of the universe. In this book we construct a theory of physics based on causality. We discover that the simplest causal network, based on Reichenbach's principle of common cause, exactly describes the Dirac equation and is consistent with both special relativity and quantum mechanical statistics. Are the elementary particles and fundamental laws of physics emergent from causality? Many historical philosophers would have perhaps taken this for granted and in this book we explore these ideas. Dr. Richard Bateson is a physicist based at the London Centre for Nanotechnology (LCN), University College London (UCL). He previously worked at the European Synchrotron Radiation Facility (ESRF), Institut Laue Langevin (ILL) and CERN. He has a doctorate in physics from Cambridge University.



READ ONLINE

[1.86 MB]

Reviews

Totally one of the better publication I have actually read through. It really is rally fascinating throgh studying time period. Its been printed in an extremely simple way and is particularly just following i finished reading through this ebook in which basically modified me, modify the way i think.

-- **Mrs. Maudie Weimann**

Simply no phrases to clarify. It is really basic but surprises from the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Mr. Noah Cummerata IV**

Relevant Kindle Books



The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)

Strength Through Communications, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching reading that provides students with a stimulating,...



The Voyagers Series - Africa: Book 2 (Paperback)

Voyagers Series, Inc., United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching reading that provides students with a stimulating,...



No Friends?: How to Make Friends Fast and Keep Them (Paperback)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Do You Have NO Friends ? Are you tired of not having any friend and being lonely all the time...



Jack Drummond s Christmas Present: Adventure Series for Children Ages 9-12 (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.A very warm welcome to Jack Drummond s Christmas Present, the sixth book in the series for children ages 9-12....



Fart Book African Bean Fart Adventures in the Jungle: Short Stories with Moral (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Black White Illustration Version! BONUS - Includes FREE Dog Fart Audio Book for Kids Inside! For a very time limited...



Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online (Paperback)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book. It is time for the digital talk. Today, kids are growing up in a wired world. Their online interactions, the good and the bad,...