1. Record Nr. UNINA9910817808303321 **Huggett Nick** Autore Titolo Everywhere and everywhen [[electronic resource]]: adventures in physics and philosophy / / Nick Huggett Oxford: New York,: Oxford University Press, 2010 Pubbl/distr/stampa **ISBN** 0-19-977655-5 0-19-970211-X 1-283-09637-4 9786613096371 Descrizione fisica 1 online resource (234 p.) Disciplina 530.01 Soggetti Physics - Philosophy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia ""Contents"": ""1 A Longish Introduction: The Problem of Change"": Nota di contenuto ""1.1 Melissus's Paradox""; ""1.2 What Is Change?""; ""1.3 Laws""; ""1.4 Spacetime Today""; ""2 Zeno's Paradoxes""; ""2.1 The Dichotomy Paradox""; ""2.2 'Supertasks'""; ""3 Zeno's Arrow Paradox""; ""3.1 The Paradox""; ""3.2 What Philosophy Can Teach Physics""; ""4 The Shape of Space I: Topology""; ""4.1 An End to Space?""; ""4.2 Neither Bounded Nor Infinite""; ""4.3 What Physics Can Teach Philosophy""; ""5 Beyond the Third Dimension?""; ""5.1 Multidimensional Life""; ""5.2 More Than Three Dimensions?"" ""8.5 Where Is Geometry?"""9 What Is Space?""; ""9.1 Space=Matter""; ""9.2 Relational Space""; ""9.3 Absolute Space""; ""9.4 Relational Space Redux""; ""9.5 What Physics and Philosophy Can Teach Each Other""; ""10 Time""; ""10.1 Time versus Space""; ""10.2 Nowism""; ""10.3 A Moving Now?""; ""10.4 McTaggart's Argument""; ""10.5 Passing Time in a Block Universe""; ""11 Time and Tralfamadore""; ""11.1 The Mind's Worldline"; ""11.2 Experience of Space versus Time"; ""11.3 Another Arrow""; ""11.4 Physics and the Philosophy of Perception""; ""12 Time Travel"": ""12.1 What Is Time Travel?"" ""12.2 Is Time Travel Possible?"""12.3 The Problem with Time Travel"";

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## Sommario/riassunto

Why does time pass and space does not? Are there just three dimensions? What is a quantum particle? Nick Huggett shows that philosophy has much to say about these profound questions about the universe. In this book, Huggett charts a journey that peers into some of the oldest questions about the world, through some of the newest.