



Why Does $E=mc^2$? (And Why Should We Care?)

Brian Cox, Jeff Forshaw

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The most accessible, entertaining, and enlightening explanation of the best-known physics equation in the world, as rendered by two of today's leading scientists.

Professor Brian Cox and Professor Jeff Forshaw go on a journey to the frontier of 21st century science to consider the real meaning behind the iconic sequence of symbols that make up Einstein's most famous equation, $E=mc^2$. Breaking down the symbols themselves, they pose a series of questions: What is energy? What is mass? What has the speed of light got to do with energy and mass? In answering these questions, they take us to the site of one of the largest scientific experiments ever conducted. Lying beneath the city of Geneva, straddling the Franco-Swiss border, is a 27 km particle accelerator, known as the Large Hadron Collider. Using this gigantic machine—which can recreate conditions in the early Universe fractions of a second after the Big Bang—Cox and Forshaw will describe the current theory behind the origin of mass.

Alongside questions of energy and mass, they will consider the third, and perhaps, most intriguing element of the equation: 'c' - or the speed of light. Why is it that the speed of light is the exchange rate? Answering this question is at the heart of the investigation as the authors demonstrate how, in order to truly understand why $E=mc^2$, we first must understand why we must move forward in time and not backwards and how objects in our 3-dimensional world actually move in 4-dimensional space-time. In other words, how the very fabric of our world is constructed. A collaboration between two of the youngest professors in the UK, *Why Does $E=mc^2$?* promises to be one of the most exciting and accessible explanations of the theory of relativity in recent years.

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The reason? Because this Why Does $E=mc^2$?: (And Why Should We Care?) is an unordinary book that the inside of the e-book waiting for you to snap the idea but latter it will shock you with the secret the item inside. Reading this book next to it was fantastic author who write the book in such wonderful way makes the content within easier to understand, entertaining way but still convey the meaning completely. So , it is good for you because of not hesitating having this ever again or you going to regret it. This amazing book will give you a lot of positive aspects than the other book get such as help improving your skill and your critical thinking means. So , still want to delay having that book? If I ended up you I will go to the book store hurriedly.

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Ilene Cody:

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