



## The Millennium Problems: The Seven Greatest Unsolved Mathematical Puzzles of Our Time

By Keith J. Devlin

The Perseus Books Group. Paperback. Book Condition: new. BRAND NEW, The Millennium Problems: The Seven Greatest Unsolved Mathematical Puzzles of Our Time, Keith J. Devlin, In 2000, the Clay Foundation announced a historic competition: whoever could solve any of seven extraordinarily difficult mathematical problems, and have the solution acknowledged as correct by the experts, would receive \$1 million in prize money. There was some precedent for doing this: In 1900 the mathematician David Hilbert proposed twenty-three problems that set much of the agenda for mathematics in the twentieth century. The Millennium Problems--chosen by a committee of the leading mathematicians in the world--are likely to acquire similar stature, and their solution (or lack of it) is likely to play a strong role in determining the course of mathematics in the twenty-first century. Keith Devlin, renowned expositor of mathematics and one of the authors of the Clay Institute's official description of the problems, here provides the definitive account for the mathematically interested reader.



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Review of *The Millennium Problems: The Seven Greatest Unsolved Mathematical Puzzles of Our Time* /. View. Show abstract. The Riemann zeta function and its zeros have been studied for over a century [2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17]. As mentioned, each puzzle in the work is both a creative (dialectic) conundrum and a mini-treatise in mathematical thinking. This has been called "Ahmes"™ legacy in this book, which claims above all else that puzzles are mirrors of the inner workings of the mathematical mind. The classic puzzles of Ahmes, Alcuin, Fibonacci, Euler, Cardano, Lucas, Carroll, and many others are miniature models of that mind, showing how the flow of thought goes from experience, to imaginative hunches, and then on to a solution. The goal of Keith Devlin's *"The Millennium Problems: The Seven Greatest Unsolved Mathematical Puzzles of Our Time"* is "to provide the background to each problem, to describe how it arose, [to] explain what makes it particularly difficult, and [to] give you some sense of why mathematicians regard it as important." "In May 2000 the Clay Mathematical Institute (CMI) announced that seven \$1 million prizes were being offered for the solutions to each of [the] seven unsolved problems of mathematics..." Devlin's book is a "general introductions to