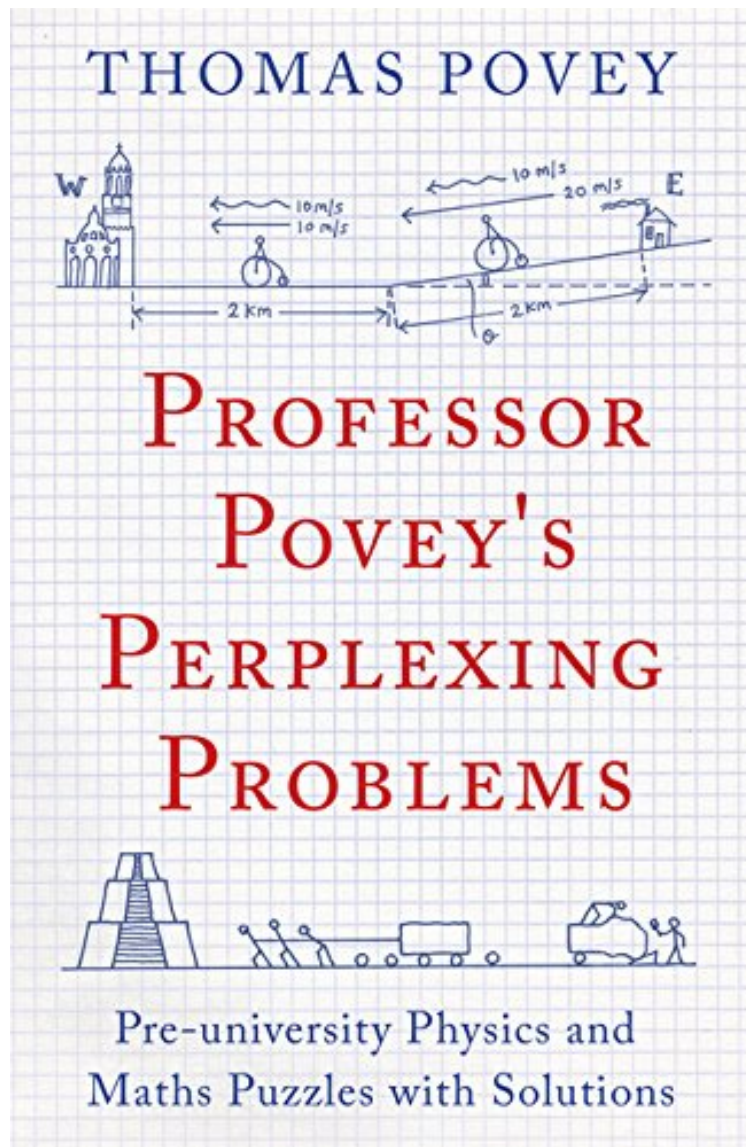


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Professor Povey's Perplexing Problems: Pre-university Physics and Maths Puzzles with Solutions

Thomas Povey

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Thomas Povey : Professor Povey's Perplexing Problems: Pre-university Physics and Maths Puzzles with Solutions before purchasing it in order to gage whether or not it would be worth my time, and all praised Professor Povey's Perplexing Problems: Pre-university Physics and Maths Puzzles with Solutions:

2 of 2 people found the following review helpful. A Book Worthy of its Title and More. By Customer This book is exactly what I hoped it would be according to the reviews on the books cover. In other words excellent. I concur with the books review by Professor Hubisz, and would like to comment on the fact that Professor Povey is open to email communication if the reader has questions or comments regarding his or the reader's proposed solutions. While the book is framed for pre-university students, it is also a great reminder for those of us at the end of our career, who want to visit problems addressed in the past and want a refresher. Even if the reader does not want to solve the problems themselves (particularly the 3 stars), going through how Professor approaches the problem is an eye-opener. I strongly recommend the book to anyone interested in physics, mathematics and the general nature of things. Reviewed by Richard L. Werner, Chairman, CONstruction INDustry Solutions, 6 Airport Park Blvd., Latham NY, 121103 of 3 people found the following review helpful. Right at the level of an honors physics student in high school By Vilia Ann Payne Really entertaining and right at the level of an honors physics student at a competitive high school. I hope to try these out on some of my own physics students later this year. By the way, if you don't normally read introductions, you should take the time to read the one for this book. It's well worth it to find out about Professor Povey's amazing childhood. 1 of 1 people found the following review helpful. superb puzzle book! By pete- the cover and inside pages are handsomely edited.- the puzzles are great, enough variants included to challenge the avid puzzlist.- his recollections of playing with firecrackers and the like as an inquisitive boy are wonderful - it reminded me of my own childhood.- the promotional video of the book on Youtube, will convince you; make it a memorable gift to a son (or daughter) entering university physics. My only complaint is that the answers follow the questions - so it's too easy to peak at the solutions - stupid editor strikes again - sigh...

In Professor Povey's *Perplexing Problems*, Thomas Povey shares 109 of his favorite problems in physics and maths. A tour de force of imagination and exposition, he guides us through uncompromisingly challenging territory that expands our minds and encourages a playful and exploratory approach to study. "The puzzles," he says, "are like toys. We should pick up the one we most enjoy, and play with it." Whether you are an aspiring scientist or an old-hand, pitting yourself against these problems will test your ability to think, and inspire you with curiosity and enthusiasm for physics. Presented with charm and wit, the questions span the gap between high-school and university-entrance standard material. Detailed answers are lightened with a fascinating and refreshing blend of scientific history, application and personal anecdote. On this delightful and idiosyncratic romp through pre-university maths and physics, the author shows us that behind every single one of these questions lies a new way of thinking about subjects we thought we had understood. He argues that engaging with the unfamiliar is key to forming deeper insights and developing intellectual independence. Professor Povey's *Perplexing Problems* is a manifesto that science should be playful, and a celebration of the curious.

"Highly recommended Povey (engineering, Univ. of Oxford, UK) collects his favorite 'pre-university' problems in math and physics and presents them informally in a welcoming style. Povey writes that the problems are 'devised to encourage curiosity and playfulness.' (Yes, they do.) He asserts that working through the problems will better prepare precocious students for university study. (Yes, they will.) For Povey, the desired outcome is confidence in how to reason through problems. ... Much can be learned from Povey's comments, independent of the solutions. " CHOICE Magazine, from the American Library Association A real tour de force of scientific problems. Thomas Povey is clearly a master at this kind of conundrum ... Fascinating. John Farndon, author of *Do You Think You're Clever?* Albert Einstein is rumoured to have said: Everything should be made as simple as possible, but not simpler. Thomas Povey's lucid and imaginative *Perplexing Problems* shows you how. Andrew Robinson, Author of *Einstein: A Hundred Years of Relativity*