



Roller Coasters, Rockets & Computers Plus the Odd Space Elevator

Ian East

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This book brings physics and mathematics together in the context of technology that may inspire or excite the young. In so doing, it provides a wealth of valuable material for tutors and students of A-Level Physics, Maths and Computer Science (OCR, CIE, AQA, Edexcel). Applications in mechanics include roller coaster design, the Rocket Equation and the orbital tower, or "space elevator." Radiative equilibrium between Earth and Sun is explored, along with the "greenhouse effect" and the influence of weather on surface temperature. A mathematical appendix is added to explain all required mathematics beyond GCSE, including incommensurability and irrational numbers, the origin of Euler's number e , differentiation of polynomials and logarithms, and integration. The second half of the book is devoted to the nature, origins and construction of the digital computer, from mere switches via registers and arithmetic logic (including 'look-ahead' carry).

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Playing with family in a park, coming to see the sea world or hanging out with close friends is thing that usually you might have done when you have spare time, subsequently why you don't try point that really opposite from that. Just one activity that make you not experiencing tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of information. Even you love Roller Coasters, Rockets & Computers Plus the Odd Space Elevator, you can enjoy both. It is great combination right, you still would like to miss it? What kind of hang-out type is it? Oh come on its mind hangout people. What? Still don't understand it, oh come on its known as reading friends.

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