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Fantastic Voyages

By Judith E. Boss

Springer Nov 2003, 2003. Taschenbuch. Book Condition: Neu. 235x155x19 mm. This item is printed on demand - Print on Demand Titel. - From the reviews: 'If you find science fiction films thought-provoking, this could be the book for you. The scope of the book is wide, with a good grounding in basic physics and biology, and a lot of other information besides.' New Scientist 'The idea of using science fiction films to convey science in an interesting way is sound, and anyone preparing a course using the genre should at least consult this book.' Nature By revealing the facts behind the fiction of some of the finest films in the sci-fi genre, Fantastic Voyages offers a novel approach to teaching science -- namely, it uses scenes from science fiction films to illustrate fundamental concepts of physics, astronomy, and biology. Each film scene depicts a scientific principle -- or its violation-reinforcing concepts that are taught in more traditional ways. The chapter Electricity and Magnetism discusses the use of computers in Blade Runner. Within Astronomy, 2001 is examined as it relates to ancient astronauts. And what could be a better choice for the chapter on evolution than Planet of the Apes. Helpful end-of-chapter exercises are...



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