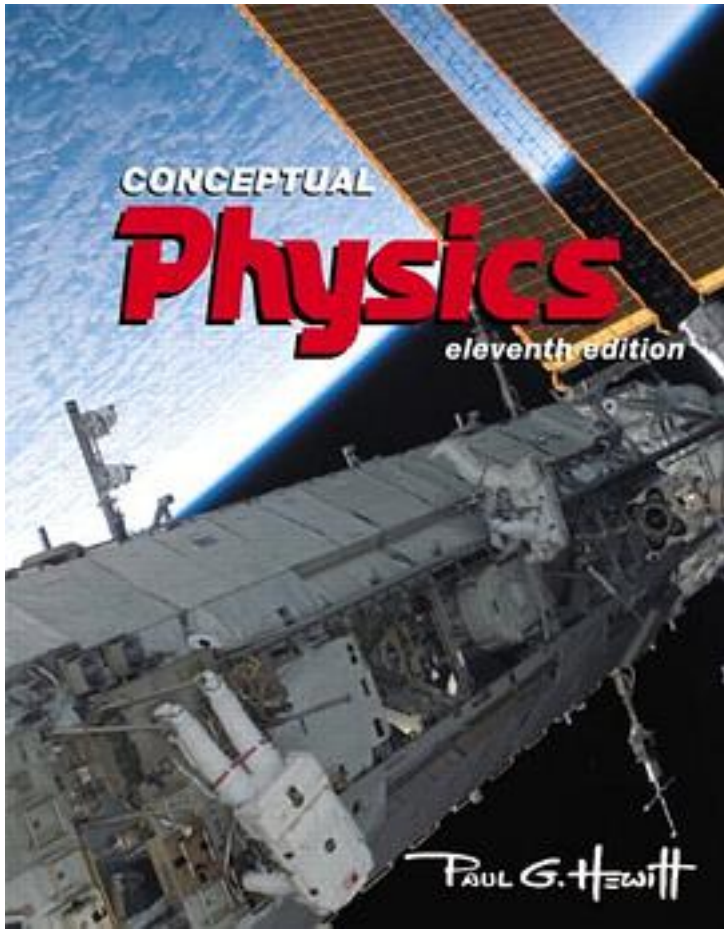


Conceptual Physics (11th Edition)



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著者:Paul G. Hewitt

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Brief Description: Since defining this course 30 years ago, Paul Hewitt's best-selling book continues to be the benchmark book that two-thirds of professors use and by which all others are judged. In Conceptual Physics, Eleventh Edition Paul Hewitt shows

how a compelling book and the most advanced media can be integrated to empower professors as they bring physics to life for non-science majors, both in and out of class. For the Eleventh Edition, Hewitt helps readers connect physics to their everyday experiences and the world around them, and provides additional help on solving mathematical problems. Hewitt's book is famous for engaging readers with analogies and imagery from real-world situations that build a strong conceptual understanding of physical principles ranging from classical mechanics to modern physics. With this strong foundation, readers are better equipped to understand the equations and formulas of physics, and are motivated to explore the thought-provoking exercises and fun projects in each chapter. The new edition features a fresh new design, content that is more focused on physics applications, and updated pedagogical features. Key Topics: About Science, Newton's First Law of Motion: Inertia, Linear Motion, Newton's Second Law of Motion: Force and Acceleration Newton's Third Law of Motion: Action and Reaction, Momentum, Energy, Rotational Motion, Gravity, Projectile and Satellite Motion Atomic Nature of Matter, Solids, Liquids, Gases and Plasmas, Temperature, Heat and Expansion, Heat Transfer, Change of Phase Thermodynamics, Vibrations and Waves, Sound, Musical Sounds, Electrostatics, Electric Current, Magnetism, Electromagnetic Induction, Properties of Light, Color, Reflection and Refraction, Light Waves, Light Emission, Light Quanta, The Atom and the Quantum, Atomic Nucleus and Radioactivity, Nuclear Fission and Fusion, Special Theory of Relativity, General Theory of Relativity Appendices Market: Intended for those interested in learning the basics of conceptual physics

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Paul G. Hewitt,
美国概念物理教学的先驱，是美国多所大学、中学的客座教师。其编写的教材深受广大读者欢迎。

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书评

一本尽量避免使用公式，但又要展示物理之美的奇作、巨作。开本够大，重量够沉，价格够高，可惜没有进一步彻底到位，搞成全铜版彩印，有点可惜。
内容无可挑剔，原书已经出到11版。课后习题密密麻麻，但只提供单数习题答案。从作者字里行间的意思想，这书在美国应该有两个版本，一...

我手里的这本是3rd version，我的学生从那边买回来的原装。（我看现在都已经出11th了，不知道新版本怎么样）。作为文科生专用物理教材，表现还是不错的——几乎没有复杂的公式、没有用到艰深的数学工具。书里囊括了几乎所有高中生应该学到的物理内容，而且语言风格亲和简练，大...

内容倒是挺全的，习题应该还不错(居然还有答案)，但总体内容感觉像是初中或高一水平的。感觉去国外读应该会轻松很多。

全书没有用多少数学，就像书名一样讲的全是概念，全是物理。
有很多新颖有趣的解释，更值得注意的是书中为了说明一些问题而用的类比是很棒的，很物理式的思维方法，简洁明了。
这使得本书不仅是本了解物理，增进兴趣的读物，更是本启迪心智的好书（尤其针对国内ROTE式的教育来...

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