



21st Century Astronomy (Full Second Edition)

By Hester, Jeff; Burstein, David; Blumenthal, George; Greeley, Ronald; Smith, Bradford; Voss, Howard

W. W. Norton & Company, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Part I: Introduction To Astronomy Chapter 1: Why Learn Astronomy? A "Bending Your Brain into Shape" section introduces origins as a theme and emphasizes how important it is for students to read the text actively, share ideas, and focus on relationships and connections. Chapter 2: Patterns in of the Sky -- Motions of the Earth Earth's motions and the consequences of its axial tilt, the motion and phases of the moon, the Coriolis effect and eclipses are all discussed in this chapter. Chapter 3: Gravity and Orbits -- A Celestial Ballet This chapter covers Kepler and Newton and how they formulated the laws that govern the motions of the planets. Chapter 4: Light This chapter introduces students to all forms of radiation, and to how the finite speed of light leads us to Einstein's special theory of relativity. NEW Chapter 5: The Tools of the Astronomer Here the authors explain how astronomers use telescopes and other instruments, with coverage of optical and radio telescopes, detectors and instrumentation, neutrino and gravity wave detectors, airborne and orbiting observatories, planetary spacecraft, high-energy colliders,...



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