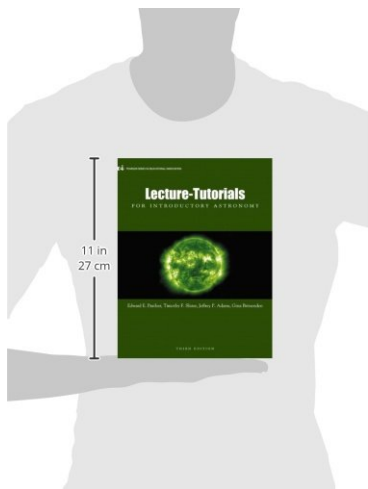


[PDF] Lecture-Tutorials For Introductory Astronomy, 3rd Edition

Edward E. Prather, Slater Timothy F, Jeff P. Adams, Gina Brissenden - pdf download free book



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Description:

Lecture-Tutorials for Introductory Astronomy provides a collection of 44 collaborative learning, inquiry-based activities to be used with introductory astronomy courses. Based on education research, these activities are “classroom ready” and lead to deeper, more complete understanding through a series of structured questions that prompt you to use reasoning and identify and correct their misconceptions. All content has been extensively field tested and six new tutorials have been added that respond to reviewer demand, numerous interviews, and nationally conducted workshops.

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Lecture-Tutorials for Int has been added to your Cart. Add to Cart. Buy Now.Â Gina Brissenden is the Associate Director of the Center for Astronomy Education (CAE) and a Science Education Research Specialist in Steward Observatory at the University of Arizona. She is also the former Education Specialist for the American Astronomical Society. Ginaâ€™s work focuses on improving Earth, Astronomy, and Space Science education through research, curriculum and assessment materials development, and instructor professional development on teaching and learning. The Lecture-Tutorial curriculum development project produced a set of 29 learner-centered classroom instructional materials for a large-enrollment introductory astronomy survey course for non-science majors. The Lecture-Tutorials are instructional materials intended for use by collaborative student learning groups, and are designed to be integrated into existing courses with conventional lectures. These instructional materials offer classroom-ready learner-centered activities that do not require any outside equipment or drastic course revision for implementation. Each 15-minute Lecture-Tutoria...

Lecture-Tutorials for Introductory Astronomy provides a collection of 44 collaborative learning, inquiry-based activities to be used in introductory astronomy courses. Based on education research, these activities are "classroom ready" and lead to deeper, more complete student understanding through a series of structured questions that prompt students to use reasoning and identify and correct their misconceptions. All content has been extensively field tested and six new tutorials have been added that respond to reviewer demand, numerous interviews, and nationally conducted workshops. Edward Prather is the Executive Director of the Center for Astronomy Education (CAE) and Associate Professor of Astronomy in Steward Observatory at the University of Arizona. Lecture-Tutorials for Introductory Astronomy provides a collection of 44 collaborative learning, inquiry-based activities to be used with introductory astronomy courses. Based on education research, these activities are "classroom ready" and lead to deeper, more complete understanding through a series of structured questions that prompt you to use reasoning and identify and correct their misconceptions. We offer sample solutions for Lecture-Tutorials for Introductory Astronomy homework problems. See examples below: Celestial sphere is defined as an imaginary sphere that has huge radius and it is concentric to Kepler's second law states that a planet covers an equal amount of area for equal time interval. Astronomy. Publisher. San Francisco, Calif. : Pearson Addison-Wesley. Collection. inlibrary; printdisabled; internetarchivebooks; china. Digitizing sponsor. The Lecture-Tutorials for Introductory Astronomy have been designed to help introductory astronomy instructors actively engage their students in developing their conceptual understandings and reasoning abilities across a wide range of astrophysical topics. The development of the Lecture-Tutorials has been informed by nearly two-decades of research into common learning difficulties students experience when studying astronomy. The results from multiple studies provide evidence that Lecture-| CONTINUE READING.