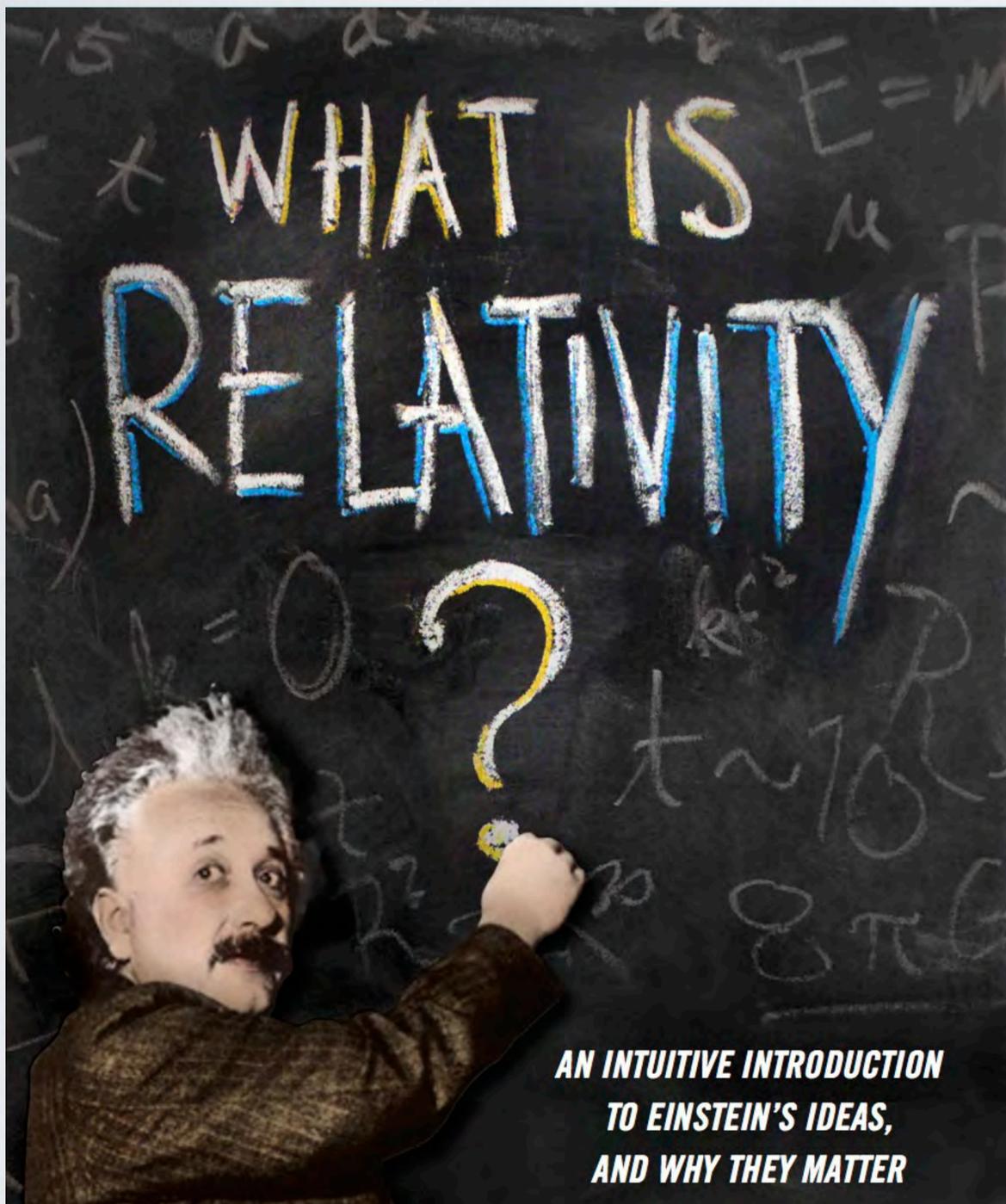




The University of Hawai'i  
Institute for Astronomy  
Presents  
a free public lecture

# WHAT IS RELATIVITY?

An Intuitive Introduction to Einstein's Ideas and Why They Matter  
by Dr. Jeffrey Bennett, astronomer & author



- A basic answer to the question “What is Relativity?”
- How Einstein's theories of relativity underlie nearly all of modern science and technology, including modern electronics, nuclear power, and even your GPS navigation.
- How relativity provides our current understanding of the nature of space, time, and gravity
- Why “black holes don't suck” — and what they actually are.
- The mind-bending ideas of time dilation and curvature of spacetime.
- The most famous equation in history:  $E = mc^2$ .
- Why relativity actually matters to all of us, and how Einstein's work is a shining example of what human beings can do when they put their minds to work for positive things rather than negative things.

Monday, Aug. 10, 7:30PM  
UH Mānoa Art Building Auditorium  
campus parking \$6

Books will be available for purchase at the event from the UH Bookstore