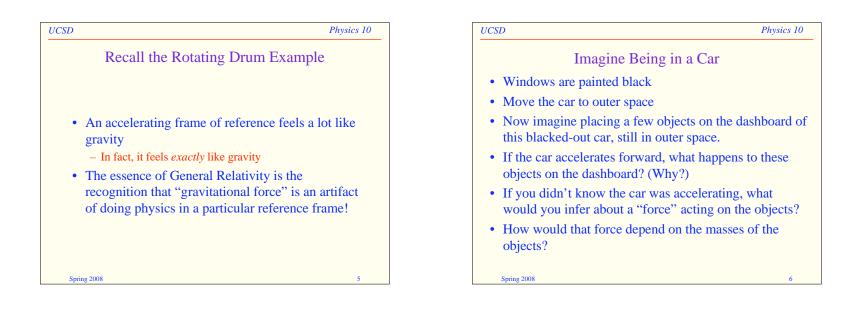
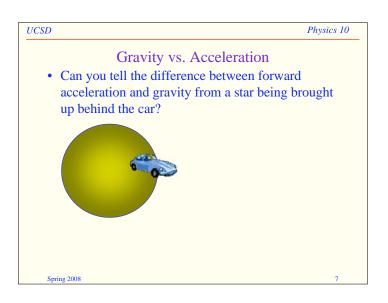
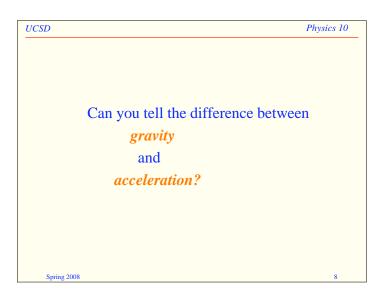
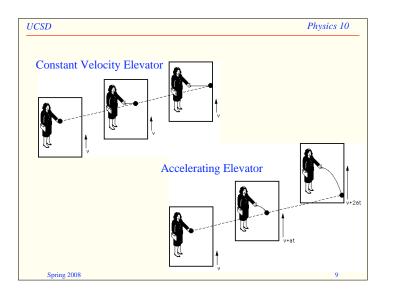


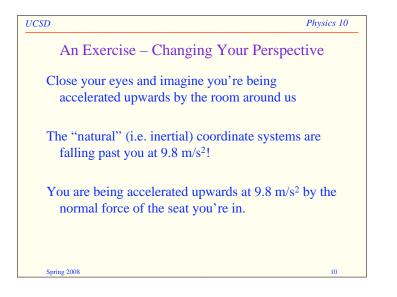
## General Relativity

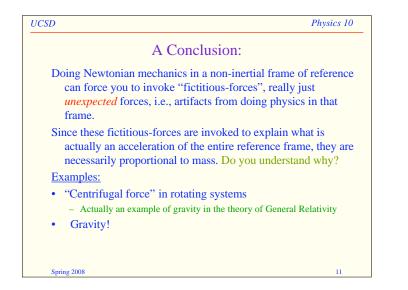




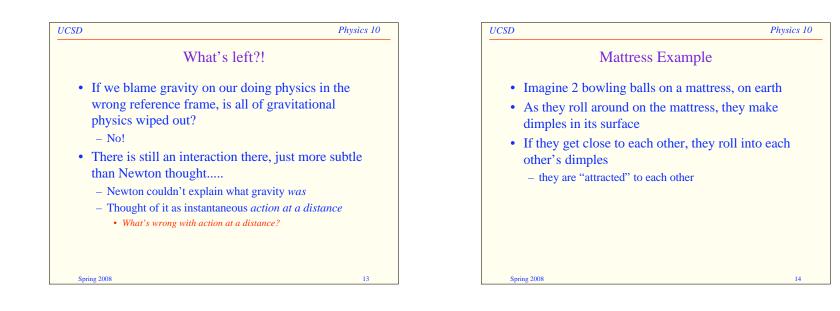


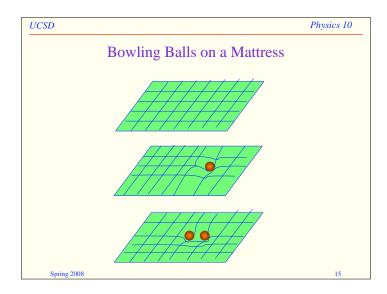


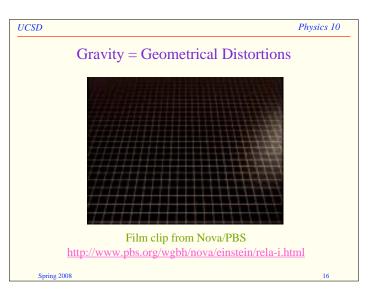




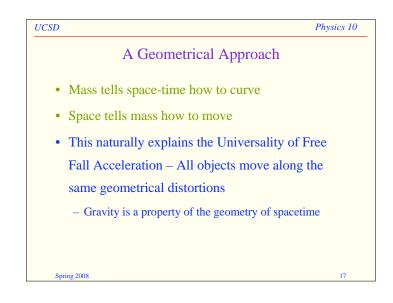


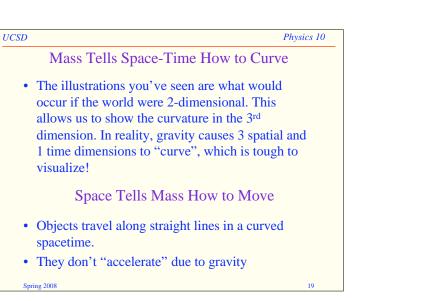


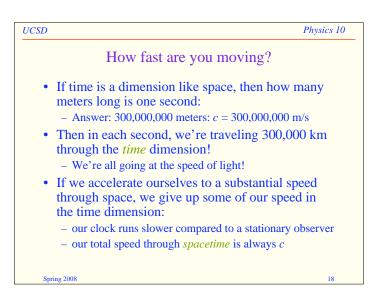




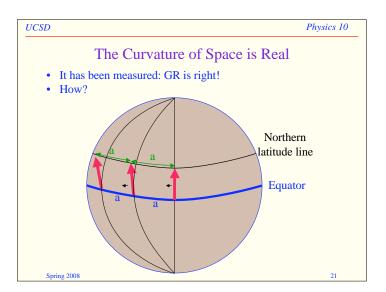
## General Relativity

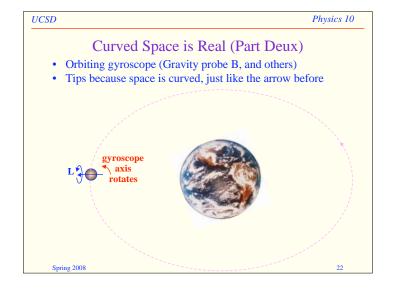


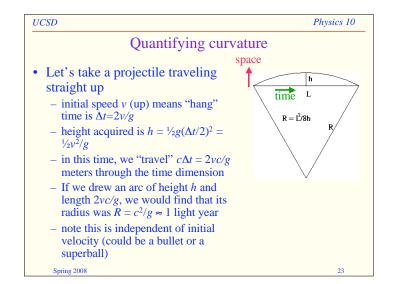


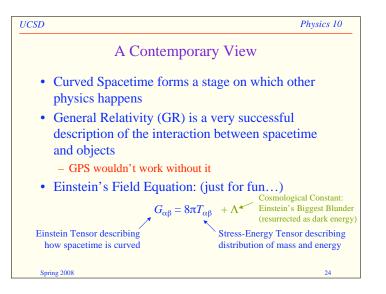


UCSD	Physics 10
Curvature	in this room!
• Space (spacetime for t	hat matter) seems flat to us
• Curvature is small	
<ul> <li>"Strength" of relativity 2GM/(Rc<sup>2</sup>), roughly 1.</li> </ul>	<u> </u>
- Near sun, this is about	10-6
<ul> <li>Actual radius of curvat year</li> </ul>	ure on earth is about one light-
• Is there some way to n	neasure curved space?
- Yes! Orbiting satellite	s with gyroscopes
Spring 2008	20









05/12/2008

## General Relativity

