Introduction

"Things should be made as simple as possible, but not any simpler."

-- Einstein



Announcments

- My office hour this Friday, October 13, is cancelled
- Reminder: written homework due by 5 PM Friday October 13 in the Drop Box for your tutorial
- Pre-Class Quiz #5 available
 - Due by 10 AM Monday October 16
 - Chapters 10 11
- · Lab Questions: direct to Dr. Deyirmenjian
 - I have forwarded all emails about the lab to him

Representative Assembly

Studies: up to 80% of difficulties students have with their courses relate to <u>communication</u> not <u>content</u>

- Representative Assembly: to discuss issues of communication and organisation of PHY138
 - We will not discuss Physics
- Each tutorial group will choose a representative
- Friday October 20, 3 4 PM, MP222
 - 2nd Floor North Wing McLennan

Class Time: a Limited Resource

- A. "Value Added": Problem Solving Strategy, Study Techniques, etc.
- B. Discussing Physics Content
- C. Examples
- D. Clicker Questions
- E. Questions from the class via GuoYing

Doing more of one of these means less time for the others

Doing less of one of these means more time for the others

Last Time

- · Fictitious Forces
 - Only arise in non-inertial ("accelerating")
 reference frames
- Non-uniform circular motion
 - a_t ≠ 0
 - $v_t \neq constant$
- Newton's Third Law
 - · Example 8.3 from the text
 - · I will review this example in a moment

Today

- A series of examples extending Example 8.3
- Application: Ballistocardiogram
- Chapter 9: Impulse and Momentum













