Rotation, Torque, and Manny Ramirez

Please seat yourself with your Project 3 teammate and read through the rest of this document.

Today's Agenda

Today we'll cover rotation and torque (Chapters 24 & 25), start the Manny Ramirez problem, and continue working on Project 3.

Rotation

Describe the relationship between an object's distribution of mass and its moment of inertia.

How can you find the moments of inertia for objects with simple geometry? Complex geometry?

Manny Ramirez, Part One

Use the area below for notes on the Manny Ramirez problem.

Reflection Questions

Yesterday we asked about risks. Today, consider positive surprises. Where do you see opportunities to explore deeper or in a different direction than you originally anticipated? How might you make room for these opportunities in your project planning?

Next Steps

Before class on Thursday, please do the following things:

- ☐ Write your name here: _____
- ☐ Write your partner's name here: _____
- ☐ By tonight: Scan this worksheet and submit it on Canvas.
- ☐ Reminders: (1) The Orbital Mechanics notebook is due on Wednesday night; please submit it on Canvas and sign up for a check-off slot. (2) Your Project 3 check-in materials are due on Sunday night; please continue working on them with your partner this week.
- ☐ Read Chapter 26 and complete the reading quiz. Explore the Chapter 26 case study notebooks (on Spider-Man, a kitten unrolling a roll of toilet paper, and a spinning yo-yo; we'll do the bungee jump in class on Thursday).
- ☐ Meet in the AUDITORIUM on Thursday.