

## ADVANCED PHYSICS CLUB

JANUARY 20, 2019

### TODAY'S MEETING

Today we went focused on problems over problems 20-24 of 2017  $F = ma$  Exam, which can be found here: <https://www.aapt.org/physicsteam/2018/upload/2017-Fma-exam.pdf> We focused on collision problems paying attention to differences between “perfectly elastic” and “completely inelastic” collisions. We also solved the problem 23 using dimensional analysis and only very basic understanding of physics of waves.

### HOMEWORK

1. Prepare for  $F = ma$  exam this week. Review the topics in mechanics you are with which not very comfortable. Remember that there will be no formula sheets allowed on the exam. Try to memorize only very basic formulas and learn how to get more complicated ones from the basic.
2. The best way to prepare for contest is, of course, by solving more problems. You can find many problems from past exams here: <https://www.aapt.org/physicsteam/2019/exams.cfm>

### FOR THE NEXT MEETING

The next club meeting is on **Sunday, January 27, 2019, at 2:40pm, room P-131.**