



ADVANCED PHYSICS CLUB

JANUARY 5, 2020

TODAY'S MEETING

Today we continued to talk about uniform circular motion and centripetal acceleration/force. We solved the homework problems assigned at the last meeting.

We also discussed $F = ma$ exam and its rules. We discussed the solutions of problems 1,2,3,17,18 of the exam. In connection to problems 17 and 18 we talked about dimensional analysis and about representing data as log-log and semi-log plots.

<https://aapt.org/physicsteam/2015/upload/exam1-2015-1-8.pdf>

HOMEWORK PROBLEMS

1. "Take" $F = ma$ exam 2016. Read all instructions carefully. Mark problems that were difficult or the ones that you were not able to solve. Bring the exam sheets to the next club. The exam can be found here:

<https://www.aapt.org/physicsteam/2016/upload/exam1-2016-3-1-2.pdf>

IMPORTANT

The next club meeting is on January 12, 2020. We will consider collision problems and how to use the conservation laws of energy and momentum. We will use $F = ma$ problems as examples.