



# FALLING BALL

SERBIA, BELGRADE



IYNT-2015

PROBLEM №5

OPPONENT: DMITRIENKO NADEZHDA

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# Reporter's work

- Make the experimental setup
- Make a plot which illustrate the dependence between weight and time
- Theoretically explained, what should scales show in every part of the trajectory of the ball
- Make some calculations and theoretically find out the readout of scales



# Advantages of report

- Used highly accurate equipment (also he used electronic dynamometer)
- For best visibility make lots of plots
- Change the diameter of the balls
- Investigate the dependence between size of the ball and resistance in water



# Disadvantages of report

- Не выдержана чистота эксперимента (нет неизменяемых параметров, все шарики разные, не понятно, какую именно зависимость хотел показать докладчик)
- Отсутствие структуры (хаотично показаны эксперименты и не связанная с ними теория)



# Questions

- Why do you use the balls which falls in water with constant speed?
- What will the scale show, if we use the ball with density less then density of water?
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**THANKS FOR ATTENTION!**

