

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered on the slide.

IYNT Review

FALLING BALL

LUKA BULIĆ BRAČULJ

PROBLEM

AN ELECTRONIC BALANCE IS CONNECTED TO A PC IN ORDER TO RECORD THE TIME DEPENDENCE OF THE MEASURED WEIGHT.

A LIGHT FRAME IS MOUNTED ON A TALL BEAKER FILLED WITH WATER.

THE FRAME HAS A HOLDER ALLOWING CONTROLLED RELEASE OF A SMALL BALL SUCH THAT IT FALLS INTO THE WATER.

INVESTIGATE HOW THE READINGS OF THE BALANCE REFLECT THE DIFFERENT PHASES OF THE MOTION OF THE BALL.

QUESTIONS

- EXPLAIN FORCES THAT ACT ON A BALL IN EACH PHASE?
 - DIRECTION?
- DID YOU TEST PARAMETERS?
- HOW DOES VELOCITY OF BALL CHANGE (NOT PATH)?
- WHY DIDN'T YOU USE FRAME BUT YOU DIRECTLY TROW THE BALL?

REPORTER

GOOD

- A LOT OF THEORY AND EQUATIONS
- EXPLAINED EXPERIMENTS WELL
- HAD QUALITET VIDEOS

NOT SO GOOD

- NOT ENOUGH PARAMETERS
- NOT ENOUGH EXPERIMENTS
- DIDN'T USE FRAME BUT YOU DIRECTLY TROW THE BALL
- DID NOT CALCULATE (NUMERICALLY) THE

OPPONENT

GOOD

- ASKED A LOT OF CLARIFYING QUESTIONS
- ASKS QUESTIONS ABOUT THEORY/GRAPHS
- HAS AN INTERESTING DISCUSSION

NOT SO GOOD

- DIDN'T POINT OUT LACK OF PARAMETERS
- FOCUSES ON QUALITY OF THE NAMED PARAMETERS TOO MUCH

CONCLUSION

- THE REPORTER
- PRESENTATION WAS INTERESTING AND HAD A LOT OF THEORY BUT DIDN'T MAKE ENOUGH PARAMETERS.
- THE OPPONENT
- FOCUSSED ON THE THEORY TOO MUCH AND DID IT WELL BUT DIDN'T ASK ABOUT PARAMETERS

ADVICE

- CHANGE PARAMETERS
- DO MORE EXPERIMENTS