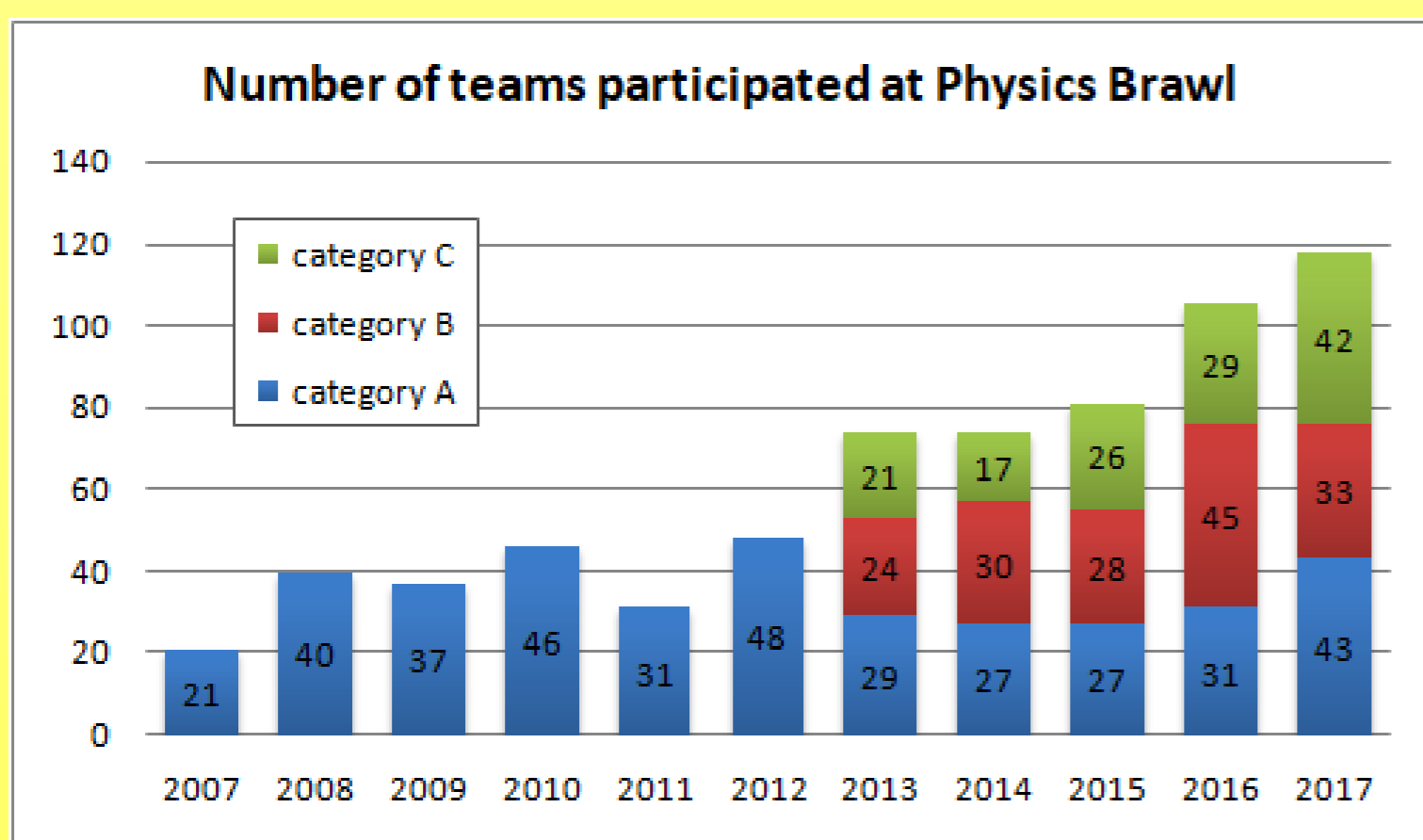


Physics Brawl, Online Physics Brawl and its Influence on the Physics Education

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Physics Brawl fyziklani.fykos.cz

- international team competition for high school students
- teams consist of up to five members
- members work together
- the goal is to gain as many points as possible by solving the problems in time period of 3 hours
- since 2013 teams are divided into 3 categories (A, B, C) according to age of students
- competition starts as the teams receive the first 7 problems, for each one solved they get a new one

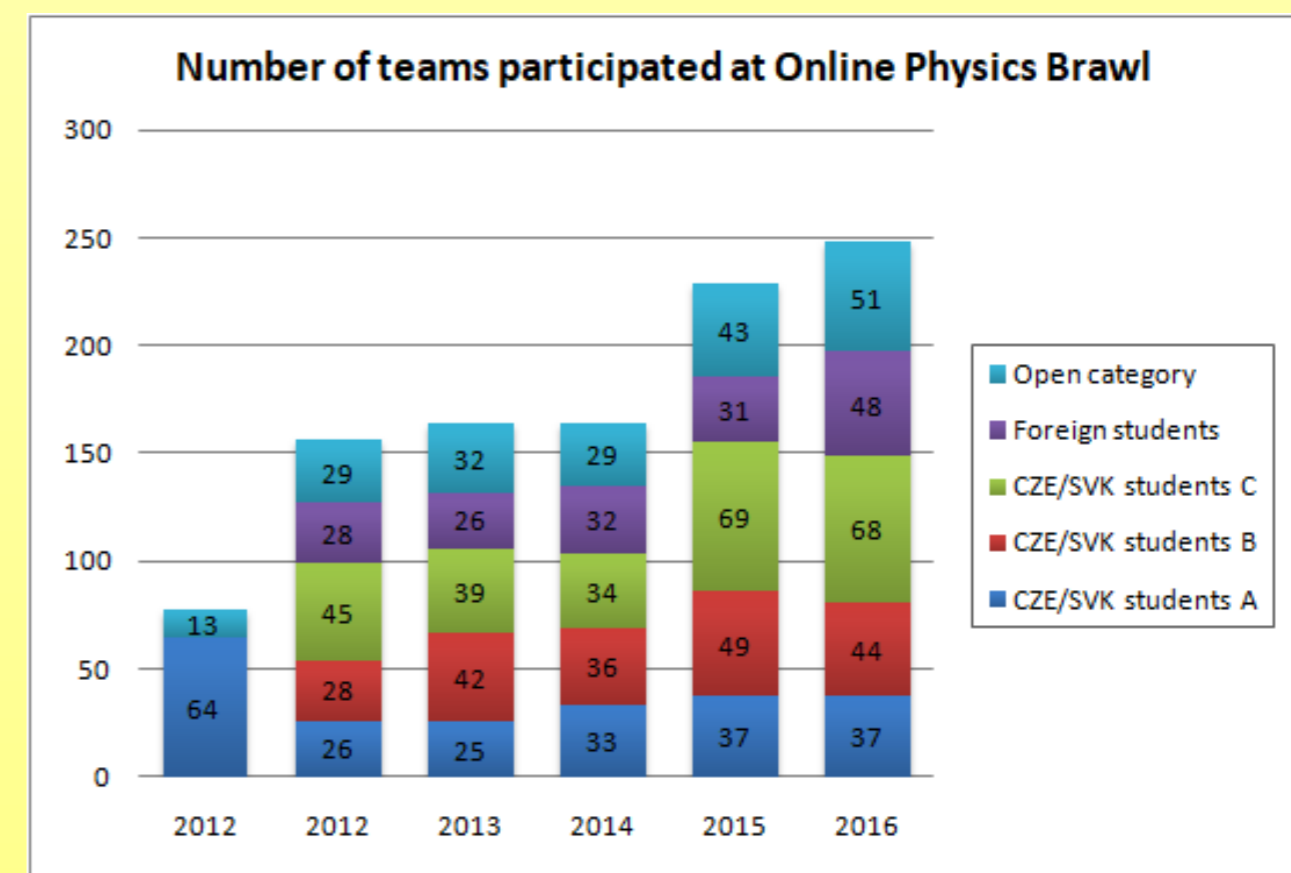


Problem tasks

- Problems cover most of the high school Physics, harder problems are at the college level
- Level of difficulty increases as the teams get new problems
- problems can be skipped after 1.5 hours with 1 point penalization at Online Physics Brawl
- approx. 50 problems are prepared for the competition

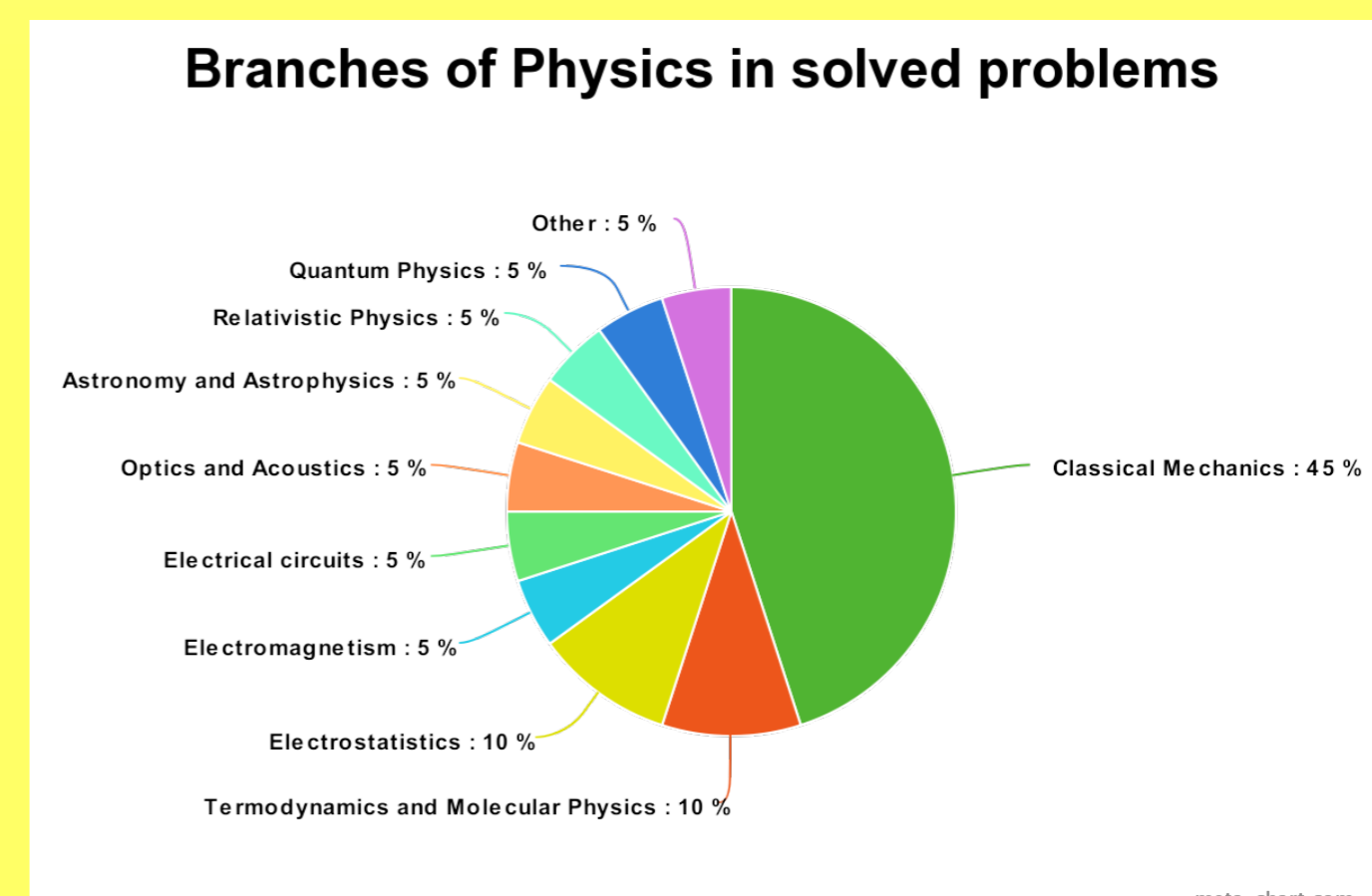
Educational importance

- with decrease of Physics class hours, competitions give students valuable opportunity to practice their knowledge
- students test their knowledge and see how they stand with solving college and graduation-exam problems
- they can also compare their skill with other students from home country and abroad
- students practice team work



Online Physics Brawl physicsbrawl.org

- special version of the Physics Brawl competition which runs online
- rules are generally the same as for Physics Brawl
- special „Hurry up“ term is added after the first half of the competition, easier problems motivates tired teams
- 2 categories are added – foreign high school students and open category for everyone



How to participate

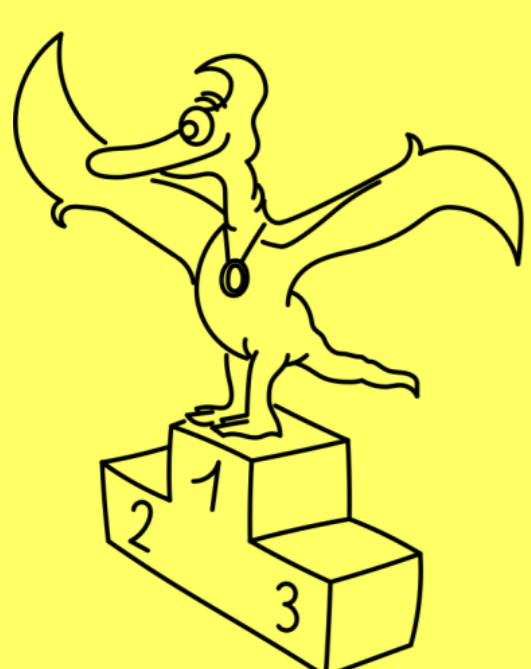


12th Physics Brawl

- February 16th, 2018, Prague, Czech Republic
- Registration for foreign teams opens from October until the end of December

7th Online Physics Brawl

- November 29th, 2017
- registration from October until November 26th



Acknowledgments

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