

Náboj Physics

Competition Rules

1. Participation Náboj Physics is a team competition for high school students. Teams consist of four or five members. The members of any single team come from the same school. There are two competition categories: *Juniors* and *Seniors*. The *Junior* category members should not be students of the graduation class and the class preceding the graduation class. The *Senior* category teams may consist of high school students of any age.

2. Enrolment Schools can enrol for participation on the competition website until the enrolment closing date or reaching the full capacity, whichever comes first. All necessary information on the dates, numbers of registered teams and overall competitor capacity is available on the respective website. Upon enrolment, the team chooses the competition location. Competing abroad is not allowed. Each school may be represented by no more than one team in each category. Competition organizers reserve the right to allow schools to enrol an additional team in the case of availability after the registration closes.

3. The Competition Start The Contestants are required to arrive at the competition location in time and to respect the instructions of the organizers. Before the start of the competition every team receives a sealed envelope containing the first eight problem statements. The envelope shall be opened only on permission of the organizers; this action starts the competition.

4. Solving the Problems The Contestants work on any of the eight problems they have; the result is usually a single number. As soon as the team concludes that the result is correct, one team member goes to the control point to present a result written on the paper containing the given problem. At the control point, the result is checked and if correct, it is marked by Corrector. The number of solution presentations is not limited; however, after the third unsuccessful attempt the Corrector may require the Contestant to present a full solution in addition to the numerical result.

5. Correctors and Problem Exchangers At the control point there are several Correctors and each of them corrects specific problems only; details will be explained on site upon competition start. If there are several contestants arriving at a single Corrector at the same time, they are accepted in the order of arrival. The paper with the correct answer marked by the Corrector is handed in at the table of the Problem Exchanger. Only the marked problems submitted to the Problem Exchanger are considered as solved. Upon submitting, the team receives a new problem. This is going repeatedly on until either the time limit expires or all available problems are solved. The number of problems will be stated before the competition starts.

6. The End of the Competition The competition lasts two hours. Upon expiration of the time limit, it is further not possible to queue at the control point. The Contestants already present in the queue can present their solutions for correction. The problems accepted are marked as submitted at the expiration time.

7. The Winner In every category wins the local team that solved the highest number of problems. Should several teams solve the same number of problems, the winner is determined on the basis of the highest ordinal number of problems solved. If two or more teams have the number equal, the second highest ordinal number of the problems solved determines the winner etc. In case of teams having the same set of problems solved, the winning order is determined depending on the time of submitting the solutions. If this time is equal, the order is determined depending on the time of submitting the last but one problem etc. The same method is applied to determine the order of the rest of the teams. The same principles are used when determining the national and international results.

8. Permitted Tools Ordinary writing instruments, drawing utensils and calculators are permitted. It is also allowed to use any literature with exception of solutions of previous Physics Nábojs. Usage of any kind of long distance communication means (mobile phone, internet etc.) are forbidden. The cooperation is allowed only between members of any single team.

9. Statute of the Rules. These rules are obligatory for all participating teams regardless of the competition location. By its registration the team confirms that they have read and understood the rules, and that they will comply with them during competition. Failure to comply with the rules may result in disqualifying the team.