Summer Maths - Physics Camp
Place where you’ll experience much more!

Our recipe for perfect holiday

- make experiments with lasers, liquid nitrogen, tricks of the light, chromatography and lots more
- play a real live theatrical performance, spend a day in a medieval castle, attack the La Rocheelle fortress with hand-made catapults or colonize a new continent
- make your own devices (e.g. clock, wind "power station", measuring instruments, radio...) and defend your work in front of a scientific committee
- or stay awake until midnight to see a flash from the Hrdum 6 satellite
- and much more...

That’s what we do and enjoy it every summer!

Scientific programme

The scientific part usually takes up the morning and early afternoon. It includes a coherent course of math and a course of physics, each of them in three variations different in sophistication as well as in their aims. Regularly email groups of people interested each course allow the problem to be discussed thoroughly and the course leader can treat each student individually.

Projects

The focus of the scientific program lies in projects. Groups of two or three students choose one topic from the offer — usually a creative device or a measuring instrument, or to study an interesting phenomenon. The project can be mathematical, physical, mathematical or experimental. Each project has its consultant - an organizer who has thought the project over and prepared the advance. The task is to help and passively guide the students.

History

Due to the massive influence of these camp on the students of the high school, we have more opportunities to plan these student-centered projects. They are put to student’s disposal and individual students can choose the advanced project subjects. We’ve been able to try new methods and ideas and to connect those topics which are not available in the standard school syllabus.

3. Breath-taking moments

Will it work?


4. Closing conference

- the moment of glory

- the future of the world's secret

- the moment of truth

5. Challenges

- challenges during theory and practical work

- the moment of glory

- the moment of truth

6. Presentation supplement of conference

People

The staff of the camp are students and scientists from the Faculty of Mathematics and Physics as well as experienced teachers. They create a team of about 15 enthusiastic people, willing to do the best.

Future

There are many young people who are interested in maths and physics and want to spend their holidays actively.

Leisure programme

Second part of the camp is the leisure programme. An interesting two-run game is prepared for each day, it connects separate afternoon games into an attractive tale that takes students' attention until the grand finale at the end. Other not so time-consuming activities take place during evenings as well as during a few nights. This program helps us to visibly create friendly atmosphere and maintain the whole forgoing.

Leisure programme is inspired by experimental and adventure learning. The aim is to stretch body and enhance mind — both they also help to improve social and communication skills, self-esteem etc. By the multitude of games and other activities this camp exceeds the usual camp summer camps.

Cooperation

We try to devolope various students’ abilities which are very important not only for school...

... but we want to give to the students an opportunity to experience something unusual as well as to meet others and enjoy a lot of fun.

Future

There are many young people who are interested in maths and physics and want to spend their holidays actively.

Future

http://kdf.mff.cuni.cz/tabor/ mailto: mfsoustredko@kdf.mff.cuni.cz