

# TOILETPAPER

There is a more than 42 percent chance that somewhere in the world right now is weekend. „Go to sleep and try again tomorrow!“ is the human equivalent of „Have you tried turning it off and on again?“ And you only ever seem to lose single socks, because you wouldn't notice if you lost both of them. Such mind games, known as shower thought, are probably not the reason why there are so few showers on campus. But perhaps more showers would correlate positively with the number of creative ideas. At least this is what a study of the shower effect of the University of Virginia suggests (Irving et al., 2022). But this does not necessarily require a refreshing shower; an appealing colloquium or an exhilarating game night could also contribute to this effect.

## Summerfest at the Eiweiher

As widely spread as the individual buildings of the NatFak are, covered by trees, located in completely different parts of the city or hidden behind the Mensa, it is all the nicer to get together, exchange ideas and spend a pleasant evening with old or new friends. The meeting place is clear: The Eiweiher! And the date has also just been released: This year the Summerfest at the Eiweiher starts on **Tuesday, the 13th of June** at 18 o'clock at the Physikum. Your physical well-being will be taken care of with a variety of grilled delicacies and both alcoholic and non-alcoholic drinks. Of course, our Prof-DJs will once again contribute to peace of mind and entertainment. In addition, this year's Summerfest is designed as a large cooperation of the departments Math/Physics/DS, Chemistry/MoWi and GeoSciences.

## Game nights

For all those who would like to participate in a sport but have too few rabbits for Kaninhop, too few balls for Quidditch and too little stamina for most other sports. And of course for everyone else. Feel free to join our next game nights and enjoy the benefits of sedentary sports as well as many other games with us! The next game nights are on **monday, the 8th of May, tuesday, the 23rd of May** (lecturers night), **tuesday, the 6th of June** (Karaoke night), **friday, the 23rd of June, tuesday, the 6th of July** and **friday, the 21st of July** in the maths practice rooms.

As always, there will also be a joint pizza order. In addition, all lecturers and tutors are cordially invited to the game night on the 23rd of May and on the 6th of June a room will be completely dedicated to all karaoke enthusiastic students.

We are looking forward to seeing you!

Wir freuen uns auf euch!

## Information about the upgrade of the Zusatzticket

The well-known Zusatzticket expires at the end of May. Without an upgrade, you will no longer be allowed to travel from the 1st of July onwards! To prevent that you get into any problems during your trips, please think about upgrading your Zusatzticket in time. For this purpose you have received two emails in the last weeks from the VGA/VGN with an upgrade code. You only have to activate this code in the VGN app under „Tickets → Vouchers“ and not under the menu item „Deutschlandticket“.

As a small thank you, the upgrade code will also unlock 3,000 free bike sharing minutes.

## Physicists on the Job

If you are about to graduate, or are just curious about industry jobs available after studying physics, you should come to our next „Physicists on the Job“ event on Wednesday, **the 17th of May**. Starting at **3:15 pm** in **lecture hall E**, physics alumni will come to talk about their work and answer your questions. Further information, such as the topics of the talks, will be announced on the FSI website. Note: This time, the talks will be in German only. Please make sure to let us know if you would prefer an English event next time.

## Colloquia

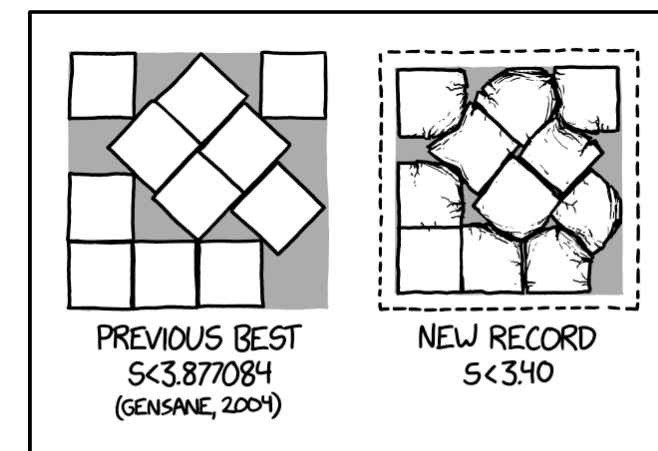
<b>9th of May, H13</b>	Michael Schuster - Nodal Control and Probabilistic Constrained Optimization
<b>16th of May, H13</b>	Phan Thành Nam - Existence and non-existence of minimizers in the liquid drop model
<b>17th of May, HH</b>	Joachim Krug - How predictable is evolution?
<b>23th of May, H13</b>	Ingo Runkel - Topological field theory and higher categories
<b>24th of May, HH</b>	Gregor Kasieczka - Better physics-informed machine learning for better learning about physics
<b>31st of May, HH</b>	Antrittsvorlesung: Maria Chekhova - Photon pairs from nanoscale sources
<b>6th of June, H13</b>	Michael Harris - Mechanization of mathematics?
<b>7th of June, HH</b>	Serge Bielawski - Recording THz waveforms in single-shot using femtosecond lasers: recent methods and challenges in accelerator physics and THz spectroscopy
<b>13th of June, H13</b>	Chenchang Zhu - Higher differential geometry and symplectic structure
<b>20th of June, H13</b>	Birgit Jacob - Port-Hamiltonian approach to interacting particle systems
<b>21st of June, HH</b>	Jörg Schreiber - Laser-plasma acceleration of ions - the opportunities and riddles of water

Also, don't miss the online or hybrid QuCoLiMa Talks (Quantum Cooperativity of Light and Matter) every Tuesday. For more detailed info, feel free to check out the website of the Research Center.

## How to reach us

Do you have any questions about studying? Would you like to learn more about us or our events? Or are you maybe considering joining the FSI? Then you can contact us either by mail (see below) or in person: We have weekly service hours, which are on **Tuesdays 4 - 5 pm** in the Mathematics FSI room under H11 and on **Wednesdays 3 - 4 pm** in the Physics FSI room under HF, or you just can knock on the door if someone's there. Our meetings take place every **Wednesday at 6 pm** – in even calendar weeks in the Physics FSI room, in odd weeks in the Mathematics FSI room.

We are looking forward to seeing you!



I'VE SIGNIFICANTLY IMPROVED ON THE SOLUTION TO THE N=11 SQUARE PACKING PROBLEM BY USING A HYDRAULIC PRESS.

Website:



mp.fsi.fau.de

Telegram:



t.me/maphy\_fau

WhatsApp:



fsv.tf/3o

Instagram:



fsi.mathe.physik



Erlangen, May 2023

Comic was taken from xkcd.com.

Toiletpaper is sponsored by "Alumni-Verein der Physik".