

# Toilet paper

In projective geometries, all two different straight lines have the property of intersecting exactly once. Also as Aslan of Narnia once said: „Things never happen the same way twice“. It symbolizes the dreamlike nature of Narnia, vanishing from your memory, when you grow older. But even though one may lose contact with one another for a long time during the semester break or after graduation, I do believe that there is a good chance to see each other again. The lines of an Irish-sounding shepherds' song come to my mind, which initially sounds almost mathematical. „may the circle be open but unbroken ...“ and ends with melodious wishes: „merry meet and merry part and merry meet again“

## Re-registration and semester fee

Since we want to see you all again next semester, we would like to remind you of the upcoming re-registration deadlines. In January you should receive an email with a pre-filled transfer order. This will also tell you the exact fee that will be due for the coming semester. You will be automatically re-registered if you transfer this amount with your data (matriculation number, surname, first name) to the specified FAU account between **1st and 8th Feb**. No further re-registration is necessary.

## Cafeteria opening hours

Exams are rolling in, you often study until late in the evening and ordering food is getting too expensive in the long run? But there are good news for everybody: After discussion of the FSI with the Studentenwerk there is now also warm dinner at the Southern Campus during the lecture period. You can order two types of pizza daily until 6:30pm at the Cafebar near the Südcatereria. At the Cafeteria Südblick you can find different hot meals (like pizza and wraps) and homemade cakes every evening until 8:30pm.

The following is a brief overview of the shortened opening hours of the dining halls and cafeterias during the semester break (14th Feb-22nd Apr):

- Südmensa: Mo-Thu 11:15am-2:05pm and Fr 11:15am-1:45pm
- Cafebar Süd: Mo-Thu 10am-6pm and Fr 10am-4pm
- Cafeteria Süd: Mo-Fr 7:30am-3pm
- Cafeteria Südblick: closed from 28th Feb until 10th Apr
- Cafeteria Chemikum: Mo-Fr 8am-14:30pm

## Award for extraordinary commitment to teaching (PfbEidL)

You have had lecturers and tutors this semester who have gone above and beyond in their teaching duties? Maybe they offered extra practice hours, put together helpful animations, stood up for your concerns to the professor? Then we are glad to offer you the opportunity to thank your lecturers together with us. Every year the FSI Maths/Physics/DS awards the PfbEidL to a lecturing or tutoring person. The award with a gift hamper will be given to the winner at the graduation ceremony (which is the reason why the latest awards are still pending). You can nominate your tutors now! Just go to our website or follow the QR code on the right and fill out the nomination form. The next award ceremony will take place after the summer semester 2022.



Website:



mp.fsi.fau.de

Telegram:



t.me/maphy\_fau

WhatsApp:



fsv.tf/3o

Instagram:



fsi.mathe.physik



Erlangen, January 2022

## Old exams

But before you get too caught up in relaxation activities, most of us still have a few exams coming up. We can help you with that. With an extensive collection of memory protocols of past oral exams, we are happy to help you get a more reliable impression of what kind of questions you might have to expect. Just write us an email for which exams you would like to have old exams for preparation and we will send you back suitable old exams. In return, we always hope that you will record your own experiences for future generations and thus expand our collection.

## Award ceremony of the Karl-Georg-Christian-von-Staudt Prize

On Friday, April 22, 2022, the Karl-Georg-Christian-von-Staudt Prize will be awarded in the Aula im Schloss. This is the most highly endowed German prize for mathematics. Professor Dr. Burkhard Wilking (University of Münster) receives the award. The events for the award ceremony are open to the public, and we are looking forward to a large participation also from the ranks of students.

Short program at the Aula im Schloss: 10 a.m.: Award ceremony and laudation  
12 p.m.: Reception in the Orangery  
2 p.m.: Staudt colloquium with mathematical lectures

Further information and registration at [www.math.fau.de/staudt-preis](http://www.math.fau.de/staudt-preis)

## Colloquium

Once again, we have put together a few ideas for you about when and where you can get excited about thinking outside the box. There should be something for students of mathematics, data science as well as physics.

- 19th Jan, 12-1pm (HH und online): Holography and coherent diffraction imaging with electrons, light and X-rays
  - 2nd Feb, 12-1pm (online): Quadratic material assemblies with electro-optic and nonlinear effects
  - 4th Feb, 11.30-12.30am (online): geometric singular perturbation theory for fast-slow partial differential equations
  - 8th Feb, 8-9pm (online): Einsteins und Plancks Theorie konfrontiert: Quantengravitation by Prof. Thiemann
- Should you want to attend lectures online, zoom links can be found on our departments' event pages.

## How to reach us?

Do you have any questions about your studies? Do you want to know more about us or our events? Or do you even want to join the FSI? Then you can reach out to us either by email (see below) or via one of our other channels. You can find the dates of our online meetings and vacation consultation hours on the website. We are looking forward to meeting you!

EQ. 4-15

$$T = D m_o (r_{out} - r_{in})^{\bar{\mu}}$$

T: NET RATE  
m<sub>o</sub>: UNIT MASS  
(r<sub>out</sub> - r<sub>in</sub>): FLOW BALANCE  
D,  $\bar{\mu}$ : DECORATIVE

MATH TIP: IF ONE OF YOUR EQUATIONS EVER LOOKS TOO SIMPLE, TRY ADDING SOME PURELY DECORATIVE CONSTANTS.