

Loo Paper

- Installment 06/22 -

Your Fachschafts-Newsletter

Upcoming Events

- 01.06. Start of registration for exams
- 06.06. – 10.06. lecture free period
- 15.06. Cocktail evening
- 16.06. Corpus Christi (holiday)
- 22.06. Math party
- 25.06. Uni festival
- 29.06. – 01.07. lecture series HCM
- 01.07. Summer festival

News!

In order for everyone to feel safe at our events, we have assigned **Awareness-People** (recognizable by their **fairy lights**) who are always happy to help you if you find yourself in an uncomfortable situation or feel harassed in any way. Don't shy away to ask them for help or even an open ear. As great amounts of our cups went missing in recent events organized by us, we kindly ask you to bring them back if you happen to find some of our **Fachschafts-cups**. We will now again enforce a 1€ **deposit** for the cups.

Mental Health

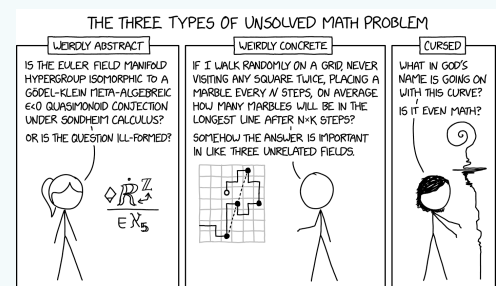
Your studies are overwhelming right now? Do personal problems or concerns occupy your mind? The university has psychological counseling which might help you. With an appointment you can get help either in a personal talk or via phone. If need be you will also be passed on to other counseling and therapy positions. You can find further information under: tinyurl.com/fsmmentalhealth

Joke of the month

What math problem do German students have trouble answering? –Do you know what the square root of 81 is? 9!

Lecture series Riemann–Hypothesis

In the context of a nationwide event series concerning the Millennium-Problems the Hausdorff Center of mathematics contributes a lecture series concerning the Riemann hypothesis, probably the best known unsolved problem. On the 29th of June, the talk „Sind Primzahlen dem Zufall unterworfen?“ will take place. The next day, „Was lehrt uns die Geschichte über mathematische Probleme?“ continues the series. On the 1st of July the state of contemporary mathematics will be discussed.



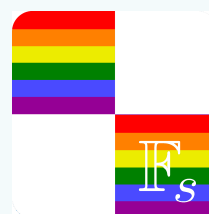
Riddle of the month

We call a whole number n unlucky if the checksum of $13n$ is again n . How many unlucky numbers are there?

The answer will be on the next loo paper.

Solution of last months riddle:

The original message is laid out as a square, we then lay $2\sqrt{n}$ stones next to the square: One black stone for a row/column, that consists of $1(mod)2$ black stones and the remaining consist of white ones. We add another black stone if the message consists of all together $1(mod)2$ black stones. If one stone gets swapped then exactly two of the $2\sqrt{n} + 1$ stones do not match the row/column anymore. The line of the intersection of the row and column now precisely tells one which stone got swapped.



For feedback,
Q&A mail to
klopapier@fsmath.uni-bonn.de