Loo Paper

- Installment 02-03/24 -
Your Fachschafts-Newsletter

Upcoming Events

02.02.	End of the lecture period
14.02.	Valentine's day
08.02.–13.02.	Carnival
14.02.	Dealine Registration GROW
02.04.–06.04.	LaTeX course

Exams

If you have any questions or concerns, you are welcome to come visit us during our office hours (Tuesday and Thursdays 12–14) or write us an email.

We wish you good luck for the upcoming exams!

GROW@Bonn

On the 4th and 5th of April 2024, the MPI is organising a **research conference for students with underrepresented gender identities** (Graduate Research Opportunities for Women at Bonn – GROW@Bonn). The main purpose of this conference is to provide information about further academic career opportunities (especially doctorates) in mathematics. Further information can be found at: www.mpim-bonn.mpg.de/GROW2024.

Revision courses

There will be revision courses again during the lecture-free period. These are revision courses designed to give you the best possible preparation for the second exams with summaries of the material and all kinds of exercises.

You can find more information and changes on our website: **https://fsmath.uni-bonn.de**.

Lecture	Time
Ana I	26.02.–01.03.
LA I	04.03.–08.03.
Ana I	04.03.–08.03.
Topo I	04.03.–08.03.
EinfAlg	04.03.–08.03.
AlMa I	11.03.–13.03.
	19.03.–20.03.
Ana III	11.03.–15.03.
Grundzüge I	18.03.–22.03.
EDM	18.03.–22.03.

Wanted

You have written a good thesis, a portfolio for your practical teaching course or have had an oral exam? We would like to add your notes to our collection as a guide for other students. Please send it to info@fsmath.uni-bonn.de. Further information regarding minutes of examination can be found at https://fsmath.uni-bonn.de/studies/exam_protocols.html.

Scripts – self-written or released by a lecturer – are also welcome. Also, in case you need anything, feel free to visit us!

Riddle of the month

How many 3-digit natural numbers are there that are 5 times as large as the product of their digits?

The answer will be on the next loo paper.

Solution of last months riddle:

It can be shown that for $x, y \in [0,1]$ $y^x \leq 1$ applies (by monotonicity of $\ln$). So $x > 1$ must be true. In addition, the sequence $a_1 := x, a_2 := x^x, a_3 := x^{x^x}, \ldots$ is monotonically increasing for $x > 1$ and bounded for $x \leq \sqrt{2}$, so its limit exists. This justifies the substitution of the Powertower in itself to $x^2 = 2$ and thus the solution is $x = \sqrt{2}$.
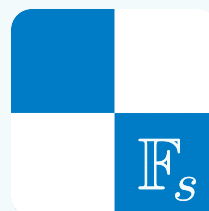
For feedback, Q&A mail to klopapier@fsmath.uni-bonn.de