



## Kolloquium über Reine Mathematik

Einladung zu einer Gauß-Vorlesung  
der DMV

**Dienstag, 6. Juli 2021**

17 Uhr, virtuelles Meeting und Anmeldung unter:

<https://www.mathematik.de/dmv/gauss-vorlesungen>

**Prof. Dr. Maryna Viazovska**  
(EPFL Lausanne)

Einführender Vortrag:

"Spaziergänge in der vierten Dimension" (Juergen Richter-Gebert)

Hauptvortrag:

"The Leech Lattice" (Maryna Viazovska)

### Abstract:

This lecture is about a magical mathematical object -- the Leech lattice. We will speak about the history of its discovery, its connections to coding theory, and the role of the Leech lattice in the search for sporadic simple groups. Also we will speak about extremal properties of Leech lattice and its connections to other extremal geometric and combinatorial structures.