



Friedrich-Alexander-Universität
Research Center for
Mathematics of Data | MoD

FAU MoD Lecture Series



AI for maths and maths for AI

François Charton

META | FAIR | ENPC



WWW.MOD.FAU.EU

#FAUMoDLecture

WHEN

Monday **June 23, 2025**
16:00H (Berlin time)

WHERE

On-site / Online

Friedrich-Alexander-Universität
Erlangen-Nürnberg (FAU)
Room **H12**

Felix-Klein building
Cauerstraße 11, 91058
Erlangen. Bavaria, Germany

Live-streaming:
www.fau.tv/fau-mod-livestream-2025

I will present recent results, demonstrating that language models can be trained, from generated data only, to solve hard and open problems in mathematics. The main difficulty, here, is to generate training data.

On the other hand, mathematics provides useful benchmarks for understanding how AI models learn.