FZU Institute of Physics of the Czech Academy of Sciences

I n v i t a t i o n

to the seminar of Division of Elementary Particle Physics of the Institute of Physics of the Czech Academy of Sciences

François Charton

Meta

Transformer for mathematics

Abstract: Deep learning architectures designed for natural language, such as the transformer, can be used to solve problems of mathematics and physics, by considering the problems and solutions as sequences of words into some formal language, and training the model to translate, from examples only, the problem into the solution. Conversely, problems of mathematics often prove to be good benchmarks for understanding. I will present applications of transformers to advanced mathematical problems, and results on mathematical benchmarks that help understand how language models learn.

When: Thursday, August 8, 2024 at 2PM
Where: Dvořák hall, FZU, Na Slovance 2, Prague

For more information, please see https://indico.fzu.cz/event/255/

Roman Lysák   Jiří Hejbal