

# How can Machine Learning Help Mathematicians

*jeudi 23 mai 2024 09:30 (1 heure)*

Large Language models have known large successes in recent years. This naturally raises the question: can AI assist mathematicians in solving open problems in mathematics? We will explore how a language model can be trained to learn a mathematical intuition on open problems and guess candidate solutions, with a focus on a few examples. We will also explore the application of LLM to automated theorem proving with an online training procedure and discuss new perspectives in the area.

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