Math and Artificial Intelligence

About the generalization of the use of Natural Language and LLM's (Large Language Models) in Math.

Essays

- Thoughts about the Leiden Declaration. Timothy Gowers. 26/07/26 post
- Reaping without sowing (cosechar sin sembrar). Tobias Osborne. 02/08/26 post
- The crisis of AI-generated mathematics. Max Weinreich. 03/08/26 arXiv
- The End of Mathematics. Daniel Litt. 11/08/26 post
- Mathematics in the Age of AI. Terence Tao. 17/08/26 ICM 2026 Conference arXiv
- Proofs and Prompts. web. A communal blog for mathematicians thoughts on how AI is changing what it means to do mathematics.

Discussion Panels

- AI in Mathematical Research. Michael Harris, Peter Scholze, Jacob Tsimerman and Geordie Williamson. Heidelberg Laureate Forum. 15/09/26. Youtube.

Declarations

- Declaración de Montevideo sobre Inteligencia Artificial y su impacto en América Latina. Khipu Conference. 10/03/23 Declaration
- Leiden Declaration. 02/06/26. web Wikipedia
- A Severe Misalignment of AI in Mathematics. 11/09/26. Declaration.

Advise on using AI

- Use of AI in mathematical research: A guide for young mathematicians. Pavel Etingof (May 2026, updated September 2026). pdf

Milestones of LLM's "solving" Math problems

- Counterexample to the Erdős unit distance conjecture. OpenAI. 20/05/26 post
- Conjetura del Jacobiano: el modelo Claude Fable 5 de Anthropic obtuvo un contraejemplo para 3 o más variables (queda pendiente el caso de 2 variables). 19/07/26 post

- Ten advances in mathematics. OpenAI. 01/08/26 post
- OpenAI releases 719 mathematical manuscripts with proofs produced by an internal frontier model, some of them verified by Lean. 06/10/26. Github, post.

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