

Three Problems in the Mathematics of Deep Learning

jeudi 23 mai 2024 15:30 (1 heure)

Neural networks, particularly LLMs, are notoriously poor at algorithmic tasks, such as sorting, shortest path, and even basic arithmetic. Across three papers, we explored the problem of “aligning” architectures to classical computer programs, and showed that this question relates to familiar mathematical concepts: polynomial functors, cohomology, and higher categories.

Orateur: DUDZIK, Andrew (Google DeepMind)