



北京理工大学

数学与统计学院学术报告

A Roadmap to the Frontiers of AI for Mathematicians

报告人: Yuanyuan Mao (现代集团摩比斯欧洲研发中心)

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摘要: Modern artificial intelligence draws on ideas from statistics, probability, optimization, high-dimensional geometry, and approximation theory. It has evolved from early approaches to mechanized reasoning and symbolic problem solving into today's large-scale neural networks, language models, multimodal systems, and AI agents. This talk offers mathematicians a concise roadmap from neural networks to transformers and large language models, while highlighting their scientific and industrial applications.

报告人简介: 毛媛媛, 中国科学院应用数学所概率论与数理统计博士, 现任现代集团欧洲研发中心高级计算机视觉工程师, 主要从事基于人工智能的自动驾驶算法研发。拥有丰富的自动驾驶算法研发及量产经验, 曾负责多个量产项目, 并针对实际应用中的关键技术问题提出创新性解决方案。