The impact of chatGPT and other large language models on physics research and education

Friday, 21 July 2023

The computer science underlying large language models - 32-123 (09:00 - 11:50)

  -Conveners: Kevin Burdge

time	[id] title	presenter
09:00	[27] Introductory remarks	Dr BURDGE, Kevin
09:05	[1] Keynote address: Towards Machines that can Learn, Reason, and Plan (remote)	Prof. LECUN, Yann
10:00	[2] Generative AI gives some spectacular demonstrations, but I don't know how!	Prof. SZOLOVITS, Peter
10:15	[22] Language Models as World Models?	Prof. ANDREAS, Jacob
10:30	Coffee Break	
10:45	[4] Some experiments with LLMs, or why the world you were raised to survive in no longer exists	Dr MISHRA-SHARMA, Siddharth
11:00	[26] The Quantization Model of Neural Scaling	MICHAUD, Eric
11:15	[23] Keeping AI under control through mechanistic interpretability	Prof. TEGMARK, Max
11:30	[6] Open discussion on broader societal impacts of LLMs, and implications for physics majors	Dr BURDGE, Kevin Dr BORROW, Joshua