



UNIVERSITÄT  
LEIPZIG

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# Physics Colloquium

Tuesday, November 14, 2023 at 16:30

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## Should physics pay attention to attention?

At the core of the current AI hype is the attention mechanism, which powers transformers and hence all modern large language models, such as ChatGPT. Attention deals with information routing, in contrast to classical deep learning, which excels in information processing. Can physics modeling techniques contribute to an understanding of what is going on inside transformers? An introduction to attention is presented together with selected modeling techniques of machine learning problems.



Venue: Universität Leipzig, Faculty of Physics and Earth Sciences  
04103 Leipzig, Linnéstraße 5, **Room: small lecture hall**

**Everyone is welcome to a reception with coffee, drinks and cookies in the Aula following the talk.**

For an up-to-date semester program, sign-up for the physics colloquium mailing list, and subscription to the digital calendars in CalDAV format, head to the colloquiums web page [www.physgeo.uni-leipzig.de/events](http://www.physgeo.uni-leipzig.de/events).

