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Everything flows

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LMFL Fluid Mechanics Webinar Link

Abstract

Constructing efficient simulation models is an ongoing, fundamental challenge in computational science and a crucial aspect in scientific computing and machine learning. This "model discovery" challenge involves both forward and inverse problems, and I will propose a flow-based approach that tackles both simultaneously: forecasting and assimilation with stochastic neural differential equations.



Figure 1: See www.thinkingslow.nl

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