Środowe seminarium w Instytucie Fizyki

March 9th – 12:00

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"Auto-discovering conservation laws and symmetries with machine learning"

Although machine learning has been used to assist physics by speeding up simulations and improving data analysis, a largely unexplored question is whether machine learning can help theoretical physicists for automatic physics discoveries. In this talk, I will demonstrate that machine learning is capable of auto-discovering symmetries and conservation laws of physical systems.