



清华大学高等研究院

Institute for Advanced Study, Tsinghua University

学术报告

- Title:** Circuit complexity for path integral optimization
- Speaker:** **Dr. Michal Heller**
*Max Planck Institute for Gravitational Physics
(Albert Einstein Institute)*
- Time:** 3:30pm, Thursday, March 21, 2019
- Venue:** Conference Hall 322, Science Building, Tsinghua University

Abstract

The talk will review recent progress on defining complexity using unitary circuits in the setting of quantum field theory (1707.08582, 1807.07075, 1810.05151) and discuss an ongoing effort to generalize it to euclidean path integrals. The latter results provide a further justification for the path integral optimization program.