Institut Henri Poincaré

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String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

Jeudi 14 Janvier 2021, 10:45

Jan De Boer

Amsterdam U.

Spacetime as a quantum circuit

I will review some recent work (arXiv :2101.01185) which proposes to identify the on-shell gravitational action for regions in spacetime with the complexity of a suitable quantum circuit, which significantly extends previous proposals on path integral optimization and complexity.

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