

Stanford



Henry Lin

Postdoctoral Scholar, Physics

Bio

STANFORD ADVISORS

- Stephen Shenker, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A symmetry algebra in double-scaled SYK** *SCIPOST PHYSICS*

Lin, H. W., Stanford, D.
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- **Universality in long-distance geometry and quantum complexity.** *Nature*

Brown, A. R., Freedman, M. H., Lin, H. W., Susskind, L.
2023; 622 (7981): 58-62

- **Bootstrap bounds on D0-brane quantum mechanics** *JOURNAL OF HIGH ENERGY PHYSICS*

Lin, H. W.
2023

- **Quantum Gravity in the Lab. I. Teleportation by Size and Traversable Wormholes** *PRX QUANTUM*

Brown, A. R., Gharibyan, H., Leichenauer, S., Lin, H. W., Nezami, S., Salton, G., Susskind, L., Swingle, B., Walter, M.
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- **Quantum Gravity in the Lab. II. Teleportation by Size and Traversable Wormholes** *PRX QUANTUM*

Nezami, S., Lin, H. W., Brown, A. R., Gharibyan, H., Leichenauer, S., Salton, G., Susskind, L., Swingle, B., Walter, M.
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- **The bulk Hilbert space of double scaled SYK** *JOURNAL OF HIGH ENERGY PHYSICS*

Lin, H. W.
2022

- **The entanglement wedge of unknown couplings** *JOURNAL OF HIGH ENERGY PHYSICS*

Almheiri, A., Lin, H. W.
2022

- **Bootstraps to strings: solving random matrix models with positivity** *JOURNAL OF HIGH ENERGY PHYSICS*

Lin, H. W.
2020

- **Complexity geometry and Schwarzian dynamics** *JOURNAL OF HIGH ENERGY PHYSICS*

Lin, H. W., Susskind, L.
2020

• **Complexity of Jackiw-Teitelboim gravity** *PHYSICAL REVIEW D*

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• **Why Does Deep and Cheap Learning Work So Well?** *JOURNAL OF STATISTICAL PHYSICS*

Lin, H. W., Tegmark, M., Rolnick, D.
2017; 168 (6): 1223-1247