

Case study of Scalable Quantum Simulation of Molecular Energies

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1 Introduction

2 History

[2]

3 Non-technical background

4 Techniques in paper

[1]

5 Main Achievement of paper

6 Conclusion and outlook

References

- [1] Ilya G Ryabinkin, Scott N Genin, and Artur F Izmaylov. Constrained variational quantum eigensolver: Quantum computer search engine in the fock space. *Journal of chemical theory and computation*, 15(1):249–255, 2018.
- [2] Andreas Trabesinger. Quantum simulation, 2012.