

CSC299 - References

September 1, 2021

- Berry, D. W., Childs, A. M., Cleve, R., Kothari, R., Somma, R. D. (2014). Simulating Hamiltonian dynamics with a truncated Taylor series. [arXiv:1412.4687](#)
- Harrow, A. W., Hassidim, A., Lloyd, S. (2009). Quantum algorithm for solving linear systems of equations. [arXiv:0811.3171](#)
- Cervera-Lierta, A. (2020). Tequila State Preparation Tutorial. GitHub repository [Link](#) {Accessed June 8, 2021}.
- Kottmann, J., et al. (2021). Tequila: A platform for rapid development of quantum algorithms. [arXiv:2011.03057](#)
- Low, G. H., Chuang, I. L., (2019). Hamiltonian Simulation by Qubitization. [arXiv:1610.06546](#)
- Leyton, S. K., Osborne, T. J. (2008). A quantum algorithm to solve nonlinear differential equations. [arXiv:0812.4423](#)
- Buhrman, H., Cleve, R., Watrous, J., de Wolf, R. (2001). Quantum Fingerprinting. Physical Review Letters. 87 (16). [arXiv:quant-ph/0102001](#)
- Aharonov, D., Jones, V., Landau, Z. (2006). A Polynomial Quantum Algorithm for Approximating the Jones Polynomial. [arXiv:quant-ph/0511096](#)
- Ralli, A., Love, P., Tranter, A., Coveney, P. (2021). Implementation of Measurement Reduction for the Variational Quantum Eigensolver. [arXiv:2012.02765](#)
- Verteletskyi, V., Yen, T., Izmaylov, A. F. (2020). Measurement Optimization in the Variational Quantum Eigensolver Using a Minimum Clique Cover. [arXiv:1907.03358](#)
- Sanders, Y. R., Low, G. H., Scherer, A., Berry, D. W. (2019). Black-box quantum state preparation without arithmetic. [arXiv:1807.03206](#)
- Iiyama, Y. (2020). Quantum state preparation with multiplicative amplitude transduction. [arXiv:2006.00975](#)
- Nielsen, M. A., Chuang, I. L. (2010). Universal quantum gates. In Quantum computation and quantum information (pp. 188–194)., Cambridge University Press.
- Berry, D. W., Childs, A. M., Cleve, R., Kothari, R., Somma, R. D. (2014). Exponential improvement in precision for simulating sparse Hamiltonians. arXiv preprint [arXiv:1312.1414](#)