

Resources

A collection of resources for math, computer science,
and quantum enthusiasts

Quantum Algorithms

Survey Articles

- [Quantum algorithms for algebraic problems](#) by Andrew M. Childs, Wim van Dam

This is an excellent source for learning about a large class of quantum algorithms that are similar to the seminal algorithm by Peter Shor for factoring integers. My suggestion to beginners is to start with reading Appendix B, then move on to Section III.¹

¹ Childs also has a set of [lecture notes](#) on quantum algorithms that may be helpful in reading this survey.