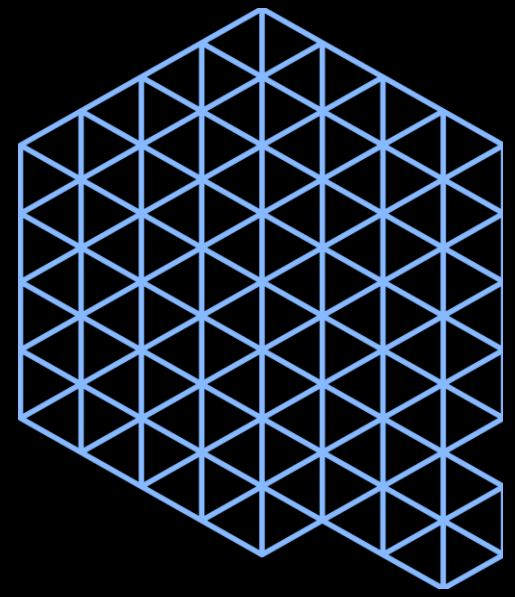
ML in Q#

Start your journey with Azure Quantum



Pamela Krzypkowska
Account Technology Strategist, Microsoft

Learn QC

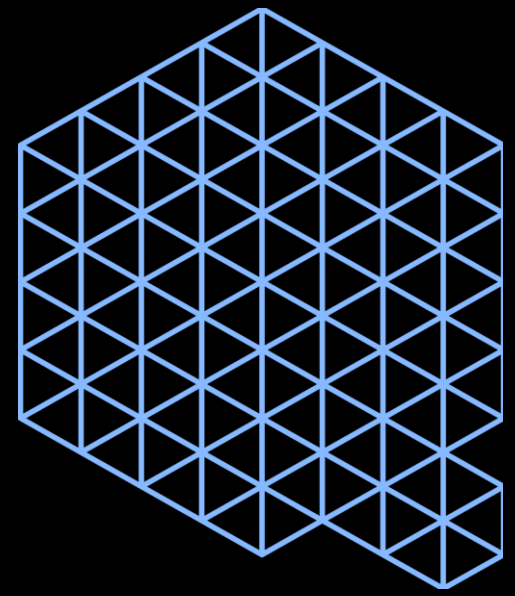
1. Quantum Computing Fundamentals
2. Introduction to Quantum Computing
3. Q# Developer Blog
4. Quantum Machine Learning Library
5. Circuit-centric Quantum Classifier Article
6. Microsoft Ignite Session on Azure Quantum
7. MLADS2020 Quantum Classification Tutorial

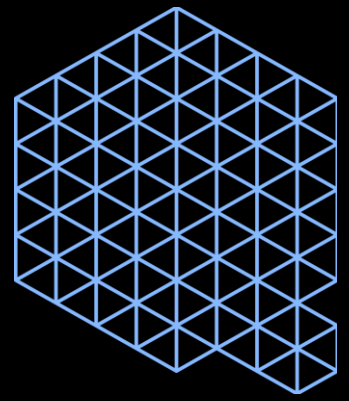
Hands-on

1. Q# Tutorials
2. Q# Github Samples
3. Quantum Computing and Q# Quantum Katas

Additional resources

1. Quantum Computing Newsletter
2. Microsoft Quantum Network
3. Article on Q#





QDK

Azure Quantum

Cloud platform for Quantum Computing

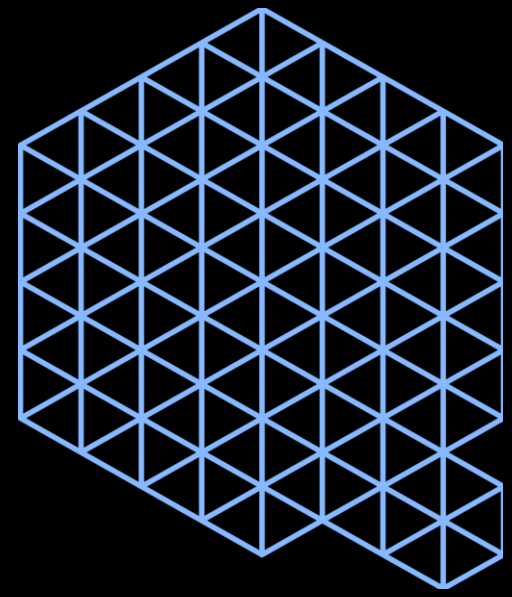
Q# Language

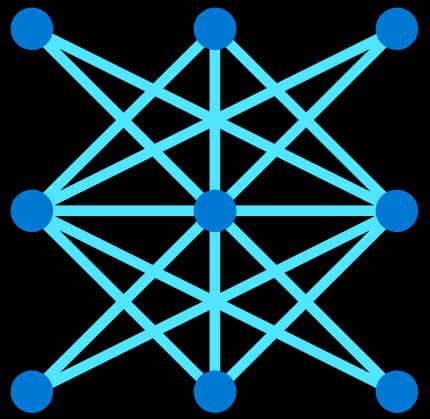
Domain specific for QC

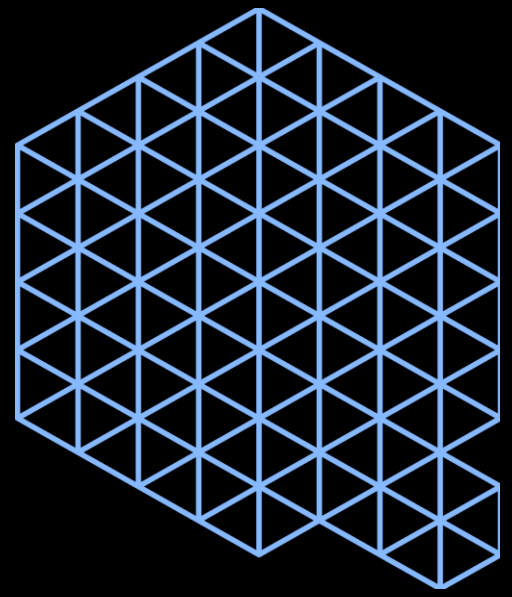
Hardware agnostic

Optimized execution

?







ML + Q

Large feature spaces

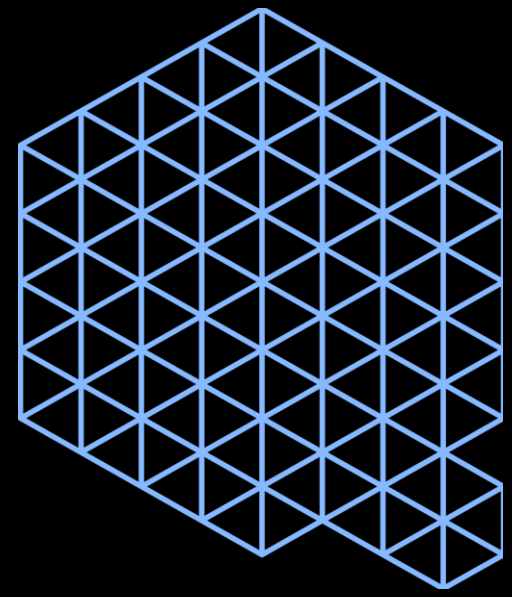
Optimization

?

Still in the early phase

Greatest of thanks to

Chris Granade, Microsoft Azure Quantum



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