Quantum Computing and Cryptography - 19: Classical and Quantum Cryptography

Length	Nanomodule
Collection	NSA NCCP
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Academic Levels	Undergraduate, Graduate
Topics	Cryptography, Quantum Computing
Link	https://clark.center/details/aparakh/dcf88d02-6a58-4c1f-a306-701883f38853

Description

In this lesson, students will learn the relationship between classical and quantum cryptography. Students will understand the impact of quantum computing on classical cryptography and learn the no-cloning theorem of quantum mechanics.

Email Dr. Abhishek Parakh at aparakh@unomaha.edu for solutions to the problems.

Note: To get started with Jupyter notebooks please follow the userguide available at: https://sites.google.com/unomaha.edu/userguideqcl/

Outcomes

- Describe the impact of quantum computing on classical cryptography.
- Summarize the relationship between classical cryptography and quantum cryptography.
- Recall no-cloning theorem of quantum mechanics

Links

External links that are associated with this learning object

- User guide