Cryptography in the Post-Quantum Era

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***Abstract*—In recent years there has been a surge of interest and development in quantum computing. Quantum computers have the ability to solve complex mathematical problems that classical computers are not able to. This puts modern encryption systems at risk. This report aims to review the concept of "post-quantum cryptography" and what it would look like in the age of large, scalable quantum computers would look like.**

***Index Terms*—Quantum Computing, Cryptography, Public-Key Encryption**

I. Introduction

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A. Subsection Heading Here

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II. Conclusion

The conclusion goes here.

Appendix A
Proof of the First Zonklar Equation

Appendix one text goes here.

Appendix B

Appendix two text goes here.

Acknowledgment

The authors would like to thank...

References

[1] H. Kopka and P. W. Daly, *A Guide to LaTeX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.