

RSA Cryptosystem Generation of Public and Private Keys in Rust

Elise DeDoncker, Jason Pearson, Sam Demorest

Abstract—The goal of our project was to develop two programs. The first program would be for determining large prime numbers and the second program for using the first application to create public and private key pairs and using these pairs to encrypt/decrypt a message.

Keywords—RSA, rust, key generation, large prime numbers

1 INTRODUCTION

THIS project under the supervision of Dr. Elise DeDoncker is to impliment the numerous algorithms needed to create a public and private RSA key pair set. The algorithms needed are

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REFERENCES

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

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2 CONCLUSION

The conclusion goes here.

APPENDIX A

PROOF OF THE FIRST ZONKLAR EQUATION

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APPENDIX B

Appendix two text goes here.

- M. Shell is with the Department of Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta, GA, 30332.

E-mail: see <http://www.michaelshell.org/contact.html>

- J. Doe and J. Doe are with Anonymous University.

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Michael Shell Biography text here.

John Doe Biography text here.

Jane Doe Biography text here.