

Cyber Attacks and RSA Integer Factorization Attacks

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Abstract—Through this document we will try to explain what it is a Cyber-Attack, also we will define some types and we will use RSA to show some examples of how they work.



1 INTRODUCTION

Cryptography is about constructing and analyzing protocols that prevent third parties or the public from reading private messages, in that matter what we are trying to do is to identify that while there is always someone with the intention of protecting their information and then communicating it to specific people, there is a third party with the interest of finding this information. Since there is some system to hide this information there will be someone trying to break it. Cyber-Attacks are all these methods designed to break security.

2 WHAT IS A CYBER-ATTACK?

Is any type of offensive maneuver employed by individuals or whole organizations that targets computer information systems, infrastructures, computer networks, and/or personal computer devices by various means of malicious acts usually originating from an anonymous source that either steals, alters or destroys information. Cyber-attacks can range from installing spyware on a system to DDoS that can bring down entire servers.

3 TYPES OF CYBER-ATTACKS.

4 PREVIOUS WORK

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4.1 subsection

4.2 another subsection

5 METHODOLOGY

Theorem 1 (Theorem name). *For a named theorem or theorem-like environment you need to insert the name through `Insert> Short Title`, as done here.*

Lemma 2. *If you don't want a theorem or lemma name don't add one.*

Proof: And here's the proof!

□

6 RESULTS

7 CONCLUSIONS

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Fig. 1. Captions go *under* the figure

TABLE 1
Table captions go *above* the table

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example	table

APPENDIX A

FIRST APPENDIX

Citation: [1]

APPENDIX B

SECOND APPENDIX

ACKNOWLEDGMENT

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REFERENCES

- [1] N. H. F. Beebe. (2008, Jul.) T_EX user group bibliography archive. [Online]. Available: <http://www.math.utah.edu/pub/tex/bib/index-table.html>

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