

MASARYKOVA UNIVERZITA
FAKULTA INFORMATIKY



Usage of evolvable circuit for statistical testing of randomness

BACHELOR THESIS

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Declaration

Hereby I declare, that this paper is my original authorial work, which I have worked out by my own. All sources, references and literature used or excerpted during elaboration of this work are properly cited and listed in complete reference to the due source.

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Thanks will be here.

Abstract

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Keywords

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1 Introduction

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2 Statistical randomness testing

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3 Limits and disadvantages of statistical testing

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4 Evolution based randomness testing

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5 Distinguishing cipher outputs from random stream

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6 Analysis of Salsa20 output stream

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8 Conclusions and future work

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