

# Using Modular Arithmetic Optimized Neural Networks To Crack Affine Cryptographic Schemes Efficiently

## Literature Review

VANJA STOJANOVIĆ, University of Ljubljana, Slovenia

In this literature review, we explore the applications of neural networks to crack affine cryptographic schemes. Many papers exist on this topic, but the neural networks used lack the optimization for modular arithmetic. We answer the question of whether these neural networks are better suited for the task while defining the problem in a different way.

### ACM Reference Format:

Vanja Stojanović. 2025. Using Modular Arithmetic Optimized Neural Networks To Crack Affine Cryptographic Schemes Efficiently: Literature Review. 1, 1 (March 2025), 1 page. <https://doi.org/10.1145/nnnnnnn.nnnnnnn>

## 1 INTRODUCTION

Ja

## 2 SOMEONETHING

hahahah

Corresponding author: Vanja Stojanović, [vs66277@student.uni-lj.si](mailto:vs66277@student.uni-lj.si); University of Ljubljana, Faculty of Mathematics and Physics.

Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than the author(s) must be honored. Abstracting with credit is permitted. To copy otherwise, or republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permissions from [permissions@acm.org](mailto:permissions@acm.org).  
© 2025 Copyright held by the owner/author(s). Publication rights licensed to ACM.  
ACM XXXX-XXXX/2025/3-ART  
<https://doi.org/10.1145/nnnnnnn.nnnnnnn>