Formal Verification of Central Limit Theorem in HOL Theorem Prover

Thi Cam Tu Phan

A thesis submitted for the degree of

Master of Computing (Advanced)

The Australian National University

School of Computing



May 2025

© Copyright by Thi Cam Tu Phan, 2025 All Rights Reserved

Abstract

Contents

Co	ontents	3
1	Introduction	5
2	Background and Related Work	7
3	Preliminaries	ç
4	Future Work	13
5	Conclusion	15

Introduction

as dfs df as df

asdasasfdfdf

Background and Related Work

Background 123

Preliminaries

Preliminaries 123

Central Limit Theorem

asldfjkldasjflkdfjldsa;f

Future Work

Future Work

Conclusion

as dfs df as df

asdasasfdfdf