IMPERIAL

IMPERIAL COLLEGE LONDON

DEPARTMENT OF MATHEMATICS

SECOND-YEAR GROUP RESEARCH PROJECT

Title

Author:
Student name 1 (CID: —————-)
Student name 2 (CID: —————-)
Student name 3 (CID: —————-)
Student name 4 (CID: —————-)
Student name 5 (CID: —————-)

Supervisor(s):
Alessio Corti

June 3, 2025

Abstract

Type your abstract here. The abstract is a summary of the contents of the project. It should be brief but informative, and should avoid technicalities as far as possible.

Contents

1 Introduction

The introduction should attempt to set your work in the context of other work done in the field. It should demonstrate that you are aware of what you are doing, and how it relates to other work (with references). It should also provide an overview of the contents of the project. You should highlight your individual contributions and any novel result: which of the calculations, theorems, examples, proofs, conjectures, codes etc. are your own? This is how you cite a reference in the bibliography[1]

2 Polytopes

ppolytopes

3 Classification of finite Coxeter diagrams

classification[1]

4 Uniform polytopes

uniform polytopes

5 Tits' word problem

words

6 Decidability

ppolytopes

References

[1] Wikipedia Contributors. Riemann hypothesis — Wikipedia, the free encyclopedia. `https://en.wikipedia.org/wiki/Riemann_hypothesis`, 2024. [Online; accessed 01-February-2024].