

Notes on GTM251

Yuandong Li

November 7, 2023

Contents

1	The Alternating Groups	3
1.1	Introduction	3
1.2	Permutations	3
1.3	Permutations	3

<https://math.stackexchange.com/>
this file on github
Latex code is here
pdf file is here

1 The Alternating Groups

1.1 Introduction

$\text{Aut}(A_n) \cong S_n$ for $n \geq 7$ but for $n = 6$ there is an exceptional outer automorphism of S_6 .hahahssww
subgroup structure (O’Nan-Scott Thm) ddsss hahah

1.2 Permutations

This is about PG hhhhh sddd

1.3 Permutations

This is about PG hhhhh sddd