

Contents

Introduction	1
<u>CHAPTER I: Characters of wreath products</u>	<u>3</u>
1. Repetition and more about conjugacy classes of certain wreath products	4
2. Representations of wreath products and their characters	22
<u>CHAPTER II: An application to representation theory: Symme-</u> trization of inner tensor products of represen-	
tations	62
3. Symmetrized inner products of representations	63
<u>CHAPTER III: An application to combinatorics: The theory of</u> enumeration under group action	<u>103</u>
4. Enumeration under group action	104
5. Enumeration of functions by weight	128
6. Some cycle-indices	142
7. The construction of patterns	156
References	167
Subject-index	174