

## Preface

This book serves as a companion to *Group Theory in Physics* by Wu-Ki Tung; It consists entirely of solutions to the problems at the end of each chapter. However, this does not mean that the student of Group Theory who can work all these problems out has nothing to benefit by browsing through this book. Many problems are worked out in such a way as to present material that is not accessible in *Group Theory in Physics*, or point out connections of this subject to other branches of Physics that are too trivial to include in treatise on the subject, but far from obvious to the beginner.

A word of apology is due to all those who will be frustrated by the lack of numbering of the equations in this book. This is unfortunate but necessary, since I mostly refer to equations in the original text. The small frequency of references to equations in a particular problem does not seem to justify the invention of some numbering scheme that would allow me to differentiate between equations in this book and equations in the book *Group Theory in Physics*.

I would like to thank Wu-Ki Tung for giving me the opportunity to see in print my hand-written notes from his course on Group Theory. Wu-Ki has been both my advisor and a trusted friend throughout my career as a graduate student at IIT.

I would also like to thank the staff at World Scientific for their patience and encouragement during the writing of this book. In particular, Ms. Ho of the Singapore office, and Ms. Theng of the New Jersey office have been extremely helpful.

Finally, I would like to thank my family for their support throughout the writing of this book.

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Chicago  
September 1990