

Preface

This book is based on lecture notes for courses we have taught at the University of Leeds over the past four years. In that sense, it has already been ‘battle-tested’. We are very grateful to all the students who took these courses. Their enthusiasm was infectious and made the courses a joy to teach. They also helped by trying out the exercises that appear at the end of each chapter, spotting errors and suggesting changes.

Quantum physics is a fascinating subject and we hope that, in some small way, we are able to convey the wonders and beauty of it to the reader. In turn, we would like to thank the many people who helped spark our interest in the subject, particularly Keith Burnett, Artur Ekert, Peter Knight, Martin Plenio, Anton Zeilinger and the late Dan Walls.

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Finally we thank our wives Catherine and Ivona and our children Edward, Mikey, Mia and Leo for so many things, but especially for the joy and pleasure they bring to our lives.

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