## Contents

		Problems	Solutions
Preface			
1	One dimensional motion	3	81
2	Tunnel effect	10	129
3	Commutation relations; Heisenberg relations; spreading of wave packets; operators	15	155
4	Angular momentum; spin	24	216
5	Central field of force	34	233
6	Motion of particles in a magnetic field	38	254
7	Atoms	42	270
8	Molecules	53	350
9	Scattering	58	383
10	Creation and annihilation operators; density matrix	67	430
11	Relativistic wave equations	74	443
Subject index			