

C O N T E N T S

Chapter 0	General Introduction.....	1
Chapter I	The Hamiltonians of Finite Systems.....	3
	Introduction.....	3
	§1 Unbounded Operators on Hilbert Space.....	5
	§2 Positive Forms and Self-Adjoint Operators.....	23
	§3 Local Hamiltonians.....	36
	General Bibliography.....	39
	Exercises.....	40
Chapter II	The Thermodynamic Pressure.....	42
	Introduction.....	42
	§1 The Non-Interacting Systems.....	42
	§2 The Interacting System.....	61
	§3 Potential and Finite Range Interactions.....	67
	General Bibliography.....	72
	Exercises.....	73
Chapter III	Local Entropy and Energy Density.....	75
	Introduction.....	75
	§1 Topologies of Normal States.....	78
	§2 Local Energy and Entropy Densities.....	83
	Bibliography.....	91
	Exercises.....	92
Chapter IV	The Maximum Entropy Principle.....	93
	Introduction.....	93
	§1 The Thermodynamic States.....	94
	§2 The Mean Conditional Entropy.....	98
	§3 The Thermodynamic Variational Principle.....	104
	§4 Equilibrium States.....	109
	Bibliography.....	113
	Exercises.....	114