## Contents

I. Nature of Probabilistic Reasoning	1
II. Some Tools and Techniques of Probability Theory	25
III. Probability in Some Problems of Classical Statistical	
Mechanics	59
IV. Integration in Function Spaces and Some Applications .	161
Appendix I. The Boltzmann Equation, by G. E. UHLENBECK	183
Appendix II. Quantum Mechanics, by A. R. Hibbs	205
Appendix III. Smoothing and "Unsmoothing", by BALTH. VAN	
DER POL	223
Appendix IV. The Finite Difference Analogy of the Periodic	
Wave Equation and the Potential Equation, by	
BALTH. VAN DER POL	237
Bibliography	259
Index	263