Contents

Preface

Chapter I
Introduction and Motivation

Chapter II
Diffusion Processes and their Transformations

Chapter III
Duality and Time Reversal of Diffusion Processes

Chapter IV
Equivalence of Diffusion and Schrödinger Equations

Chapter V
Variational Principle

Chapter VI
Diffusion Processes in q-Representation

Chapter VII
Segregation of a Population

Chapter VIII
The Schrödinger Equation can be a Boltzmann Equation

Chapter IX
Applications of the Statistical Model for Schrödinger Equations

Chapter X
Relative Entropy and Csiszar's Projection

Chapter XI
Large Deviations

Chapter XII
Non-Linearity Induced by the Branching Property

Appendix: