

Table of Contents

I.	General Theory	1
1.	Transience and Recurrence	3
2.	Regular Dirichlet Spaces	20
3.	Some Potential Theory	24
4.	Construction of Processes	39
5.	An Approximate Markov Process	61
6.	Additive Functionals	69
7.	Balayage	78
8.	Random Time Change	84
II.	Decomposition of the Dirichlet Form	97
9.	Potentials in the Wide Sense	98
10.	The Lévy Kernel	102
11.	The Diffusion Form	112
12.	Characterization of κ and J	126
III.	Structure Theory	130
13.	Preliminary Formula	133
14.	The Reflected Dirichlet Space	143
15.	First Structure Theorem	152
16.	The Recurrent Case	158
17.	Scope of First Structure Theorem	165
18.	The Enveloping Dirichlet Space	173

19.	Equivalent Regular Representations	178
20.	Second Structure Theorem	183
21.	Third Structure Theorem	216
IV.	Examples	220
22.	Diffusions with Bounded Scale; No Killing	222
23.	Diffusions with Bounded Scale; Nontrivial Killing	225
24.	Unbounded Scale	237
25.	Infinitely Divisible Processes	248
26.	Stable Markov Chains	254
27.	General Markov Chains	258

