

Table of Contents

Table of Contents	v
Acknowledgements	vii
Introduction	1
1 Preliminaries	8
1.1 Spectral Decomposition Theorem in The Continuous Case	9
1.2 Spectral Decomposition Theorem in The Discrete Case.	13
2 Dichotomic System on \mathbb{C}^m	17
2.1 Dichotomy and Bounded-ness in The Continuous Case	18
2.2 Dichotomy and Bounded-ness in The Discrete Case	22
2.3 Dichotomy and Bounded-ness of Operators Acting on Banach Spaces	27
3 Asymptotic Behavior of The Solutions for The time-dependent Pe- riodic Systems	30
3.1 Some Preliminary Results	30
3.2 Bounded-ness and Exponential Stability	33
3.3 Future research and further references	39

