## **Contents**

1	Intr	oducti	on	1			
	1.1	Motiv	vation	1			
		1.1.1	Present Framework	3			
		1.1.2	Questions	5			
	1.2	Objec	ctive	7			
		1.2.1	Innovative Approach	8			
	1.3	Outlin	ne	12			
	Refe	erences		12			
2	Changes in Allocation Efficiency from Equity						
		_	cy-Oriented	13			
	2.1	Equity	y or Efficiency-Oriented Growth	14			
	2.2	Path-	Converged Design of Allocation Efficiency	15			
	· ·		fication of Allocation Efficiency	22			
		2.3.1	Data Description	22			
		2.3.2	Single Identification of Allocation Efficiency				
			of FDI and PE	22			
		2.3.3	Effective Interval with Strengths of FDI and PE	24			
		2.3.4	Joint Identification of Allocation Efficiency	26			
	2.4 Allocation Strategy with Efficiency-Oriented PE		ation Strategy with Efficiency-Oriented PE	28			
		2.4.1	Efficiency-Oriented Strategy of PE in Eastern Region	29			
		2.4.2	Efficiency-Oriented Strategy of PE in Middle				
			Eastern Region	31			
		2.4.3	Efficiency-Oriented Strategy of PE in Overall Region	31			
	2.5	Alloca	ation Strategy with Efficiency-Oriented FDI	32			
		2.5.1	Efficiency-Oriented Strategy of FDI				
			in Eastern Region	32			
		2.5.2	Efficiency-Oriented Strategy of FDI				
			in Eastern Region	33			
		2.5.3	Efficiency-Oriented Strategy of FDI in Overall China	33			
	2.6	Concl	usion	34			
	Refe	rences		36			

3		inges in Population Agglomeration Efficiency
		Jrban Planning
	3.1	Introduction
	3.2	Path-Converged Design
		3.2.1 Benchmark Model
	2.2	3.2.2 Path Model
	3.3	Population Agglomeration Efficiency Identification
		3.3.1 Data Description
		3.3.2 Urbanization Level: Benchmark Model
		3.3.3 Population Agglomeration: Path Model
		3.3.4 Agglomeration Inefficiency in Region and Urban Area
		3.3.5 Population Agglomeration Inefficiency: City Size
	3.4	Decision Making on Optimal Migration Strategy
		3.4.1 Strategy 1: Regional Migration for Small Cities
		3.4.2 Strategy 2: Regional Migration for Medium Cities
		3.4.3 Strategy 3: Urban Migration for Medium Cities
		3.4.4 Strategy 4: Regional Migration for Large Cities
	3.5	Concluding Remarks
		3.5.1 Identification of Population Agglomeration Efficiency
		3.5.2 Decision Making of Optimal Population Migration
	Refe	erences
4		nges in Factors Scale Efficiency of FDI
		Path Identification
	4.1	Crowd-in or Crowd-out Effects of FDI Scale
	4.2	Nonparametric Identification Technique
	4.3	FDI Path Identification
	4.4	Data Description and Empirical Identification of FDI
		4.4.1 Data Description
		4.4.2 Identification of Crowd-in and Crow-out Effects
	4.5	of FDI Path
	4.3	Strategy on Crowd-in Effect of FDI Path with Urbanization Environment
		4.5.1 Simulation of Crowd-in Effect of FDI Path
		in Middle Region
	1.6	in Western Region
	4.6	Conclusion
	кете	erences
5	Cha	nges in Technical Efficiency of FDI
	5.1	Introduction
	5.2	Path-Converged Technique

		5.2.1 FDI-Path Approach	87
		5.2.2 Technical Level, Efficiency Level and Total	
		Factor Productivity	89
	5.3	Technical Progress and Efficiency Improvement	91
		5.3.1 Increasing or Descending Trend of Technical Level	91
		5.3.2 Positive or Negative Impact of Efficiency Level	92
		5.3.3 Technical and Efficiency Changes	93
	5.4	Realization Strategy of Technical Progress in Middle	
		and Western Regions	96
		5.4.1 Realization Strategy in Middle Region	97
		5.4.2 Realization Strategy in Western Region	97
	5.5	Conclusion	99
	Refe	erences	100
6	Cha	inges in Scale and Technical Efficiency with Regional	
		nsplantation Strategy	103
	6.1	Introduction	103
	6.2	Path-Converged Design	105
	6.3	Identification of Regional Technical and Scale Efficiency	107
	6.4	Transplantation Strategy of Efficiency Change	108
		6.4.1 Strategy with Technical Efficiency Transplantation	108
		6.4.2 Strategy with Scale Efficiency Transplantation	110
		6.4.3 Strategy with Joint Transplantation of Technical	
		and Scale Efficiencies	110
		6.4.4 Feasibility Analysis of Transplantation	112
	6.5	Conclusion	113
	Refe	erences	113
7	Sust	tainable Efficiency in China with Urbanization	115
	7.1	Introduction	115
	7.2	Design of Urbanization Path	116
	7.3	Balanced Development Among Regions	117
		7.3.1 Strategies of Population Migration	118
		7.3.2 Strategies of Investment Enhancement	121
	7.4	Optimization of Resource Allocation in City Groups	124
		7.4.1 Individual Study	125
		7.4.2 Overall Study	126
	7.5	Feasibility Study	130
	7.6	Concluding Remarks	131
	Refe	erences	132

8	cluding Remarks	133						
	8.1	Innovations	133					
	8.2	Results	134					
	8.3	Convergence Speed of Path Identification	135					
References								