Contents

List of figures List of tables			page vii	
	v		viii	
Pi	ејасе с	and acknowledgements	xi	
1	Introduction		1	
	1.1	Importance of currency internationalization and European Monetary Union	2	
	1.2	Pivotal role of forex markets	5	
	1.3	Overview of the book	7	
2	National and international money: a survey		11	
	2.1	Functions of international money	12	
	2.2	Theories of international money	19	
	2.3	A brief history of international money	29	
3	A theory of vehicle currencies		40	
	3.1	Introduction	40	
	3.2	Transaction costs in the forex market	42	
	3.3	Structures of currency exchange	48	
	3.4	Conclusions	64	
	App	pendix: multiple vehicles with inter-dealer price and entry competition	66	
4	Currency competition between the euro, the dollar and		76	
	the yen			
	4.1	Introduction	76	
	4.2	The emergence of the Deutsche mark as a forex vehicle currency and the 'simple arithmetics' of EMU	80	
	4.3	EMU and forex markets	89	
	4.4	EMU and foreign trade invoicing	97	
	4.5	EMU and official reserve holdings	114	
	4.6	EMU, international investment and the evolution of European financial markets	117	
	47	Conclusions	129	

vi Contents

5	Trading volumes and transaction costs: from the short		132
	run to the long run		
	5.1	Introduction	132
	5.2	Spread theory refined	134
	5.3	A survey of spread estimations	137
	5.4	Spreads and volumes in the short run: a time-series approach	145
	5.5	Spreads and volumes in the long run: a panel-data approach	152
	5.6	Conclusions	162
6	General conclusions		164
	6.1	International monetary and financial policies	165
	6.2	Theory of international money	167
	6.3	Forex market micro-structure analysis	168
Bi	Bibliography		
	Index		