CONTENTS

	List of figures List of tables	viii X
	List of contributors Preface	xiv xvi
1	INTRODUCTION: THE GLOBAL STRUCTURE OF FINANCIAL MARKETS: AN OVERVIEW Dilip K. Ghosh and Edgar Ortiz	1
	PART I GLOBAL CAPITAL MARKETS	
2	GLOBALIZATION OF BUSINESS AND FINANCE AND EMERGING CAPITAL MARKETS Edgar Ortiz	17
3	ON THE ESTIMATION OF GLOBAL BETA Gauri L. Ghai, Maria E. de Boyrie and Arun J. Prakash	31
1	PERVERSE EFFECTS OF GLOBALIZATION IN TODAY'S LATIN AMERICAN FINANCE Robert Rollinat	36
5	LIBERALIZATION AND DEREGULATION OF THE MEXICAN STOCK MARKET Alejandra Cabello	50
5	LATIN AMERICAN EQUITY MARKETS: BENEFITS FROM DIVERSIFICATION AND CURRENCY HEDGING Luc Soenen and Steve Schrepferman	74
7	GLOBAL CO-MOVEMENTS OF STOCK MARKETS BEFORE AND AFTER THE 1987 CRASH Ilhan Meric and Gulser Meric	91

CONTENTS

8	EQUITY AND OIL MARKETS UNDER EXTERNAL SHOCKS Jorge Urrutia and A.G. Malliaris	103
	PART II GLOBAL FOREIGN EXCHANGE MARKETS	
9	NAKED AND COVERED SPECULATION IN FOREIGN EXCHANGE MARKETS Dilip K. Ghosh	119
10	CONSISTENT ESTIMATES OF EXCHANGE-RATE PASS-THROUGH COEFFICIENTS FOR THE LEADING EUROPEAN COUNTRIES Paola Caselli, and Andrea Cividini	144
11	ON FORECASTING FOREIGN EXCHANGE RATES Ali M. Parhizgari and Maria E. deBoyrie	170
12	EXCHANGE RATE THEORIES AND THE BEHAVIOR OF EXCHANGE RATES: THE RECORD SINCE BRETTON WOODS Ramakrishnan S. Koundinya	182
	FORWARD AND FUTURES MARKETS: CONCEPTUAL DIFFERENCES AND COMPUTATIONAL ILLUSTRATIONS Mary E. Malliaris	192
	IMMUNIZING CURRENCY RISK IN INTERNATIONAL TRADE AND FINANCE: THE DEVELOPMENT OF A SDR FUTURES MARKET Krishnan Dandapani, Arun J. Prakash and Karen Duhala PURCHASING POWER PARITY AND THE PESO/ DOLLAR EXCHANGE RATE Vincent Dropsy	201 215
	PART III GLOBAL BANKING ISSUES	
16	CONTESTABLE MARKETS AND THE MEXICAN BANKING SECTOR IN THE CONTEXT OF NAFTA Edgar Ortiz and Alfred Lewis	229
17	RIVALRY AND EVOLUTION OF AN INDUSTRY'S STRUCTURE: THE CASE OF THE COSTA RICAN BANKING SYSTEM Mariano Rojas	259

CONTENTS

18	INTERNATIONAL INTEREST RATE MECHANISMS IN BANK LENDING AND BORROWING MARKETS Arjun Chatrath, Sanjay Ramchander and Frank Song	274
19	EUROPEAN UNION EQUITY MARKET REACTIONS TO THE 1992-93 ERM CRISIS Ahmad Etebari and Fred R. Kaen	287
20	THE EVOLUTION OF US MULTINATIONAL BANKING Susan Hine and John Olienyk	319
	PART IV CAPITAL FLOWS IN THE GLOBAL STRUCTU	RE
21	EXTERNAL CAPITAL FLOWS TO DEVELOPING COUNTRIES: PROSPECTS FOR THE 1990s Harri Ramcharran	331
22	DETERMINANTS OF FOREIGN DIRECT INVESTMENT OUTFLOWS OF SELECTED OECD COUNTRIES M. Raquibuz Zaman and Fahri M. Unsal	344
23	AN EXAMINATION OF THE ARGUMENT FOR INCREASED INVESTMENT IN EMERGING MARKETS P. Avgoustinos, A.A. Lonie, D.M. Power and C.D. Sinclair	351
24	RE-EXPLORING FINANCIAL DIVERSIFICATION: THE MEXICAN CASE Fausto Hernández-Trillo	367
25	CAPITAL FLIGHT FROM INDIA TO THE UNITED STATES THROUGH ABNORMAL PRICING IN INTERNATIONAL TRADE John S. Zdanowicz, William W. Welch and Simon J. Pak	382
	A FRONTIER FUNCTION ANALYSIS OF CAPITAL FLIGHT FROM SELECTED LATIN AMERICAN COUNTRIES Benu Varman-Schneider	406
	OFFSHORE MARKETS AND CAPITAL FLOWS: A THEORETICAL ANALYSIS Dilip K. Ghosh	422
	Index	432

FIGURES

0.1	Market capitalization of selected Latin American stock	
	markets, 1988–93	76
8.1	Cumulative abnormal returns (S&P 500 spot)	108
8.2	Cumulative abnormal returns (S&P 500 futures)	109
8.3	Cumulative abnormal returns (oil spot prices)	110
8.4	Cumulative abnormal returns (oil futures prices)	111
9.1	Profitable choice: forward buy or sell	122
9.2	Profit (loss) possibilities with naked spot speculation	125
9.3	Profit menu with single choice under speculation	127
9.4	Profit zones with single strategy under speculation	129
9.5	Zones of profitable/unprofitable forward speculation	132
9.6	Spot speculation	133
9.7	Spot and forward speculation	134
9.8	Covered speculation with put option	136
9.9	Covered speculation with call option	137
9.10	Option-based profit profiles, different expiration times	139
9.11	Profit (loss) possibilities with strangle	140
9.12	Profit (loss) possibilities with straddle and delta-neutral	1.0
	ratio spread	141
9.13	Profit (loss) possibilities with different volatilities	142
9.14	Profit possibilities: options vis-à-vis forward contracts	143
10.1	Dynamic simulation of German export prices on the	145
	Italian market	156
10.2	Dynamic simulation of French export prices on the Italian	130
	market	156
10.3	Dynamic simulation of UK export prices on the German	150
	market	157
10.4	Dynamic simulation of Italian export prices on the German	137
	market graces on the German	157
10.5	Dynamic simulation of UK export prices on the French	137
	market	158
		130

FIGURES

10.6	Dynamic simulation of Italian export prices on the French market	150
10.7	Dynamic simulation of German export prices on the UK	158
	market	159
10.8	Dynamic simulation of French export prices on the UK	139
	market	159
13.1	Two-state probability tree (1)	194
13.2	Two-state probability tree (2)	196
13.3	Two-state probability tree (3)	197
13.4	Two-state probability tree (4)	198
13.5	Two-state probability tree (5)	199
13.6	Two-state probability tree (6)	200
14.1a	No appreciation or uniform price appreciation or	
	depreciation of SDRs (1)	209
14.1b	No appreciation or uniform price appreciation or	
	depreciation of SDRs (2)	209
14.2	Effect when SDRs depreciate with respect to purchaser's	
	monetary unit	210
14.3	Effect when SDRs appreciate with respect to purchaser's	
	monetary unit	211
15.1	Peso/\$ real exchange rate, 1958-94	217
15.2	Nominal Peso/\$ depreciation and inflation differential,	
	1970–94	217
15.3	Recursive PPP test, real Peso/\$ exchange rate	221
15.4	Rolling PPP test, real Peso/\$ exchange rate	222
15.5	Wright's CUSUM test, real Peso/\$ exchange rate (1)	222
15.6	Wright's CUSUM test, real Peso/\$ exchange rate (2)	223
15.7	Sequential PPP/break test, real Peso/\$ exchange rate	223
15.8	Sequential PPP/mean-shift test, real Peso/\$ exchange rate	224
18.1	Time-paths of impulse responses to German shocks	283
21.1	Percentage distribution of resource flows	334
21.2	ODA as percentage of donor GNP: OECD	337
21.3	FDI by countries (US\$m)	339
21.4	Portfolio equity flows	340
	Debt indicator: EDT/XGS (%)	342
	Debt indicator: TDS/XGS (%)	342
23.1	MRPUR for diversified and undiversified portfolios	357
	Venezuela: technical efficiency estimates	414
	Colombia: technical efficiency	414
	Chile: technical efficiency estimates	415
27.1	Balance of payments equilibrium: current and capital	
	account balances	426
27.2	Impact effects	429

1.1	Characteristics of major stock markets	4–5
1.2	Overview of emerging stock markets	6
5.1	Direct and stock market investments in Mexico, 1989-94	64
5.2	Holdings on Mexican domestic debt, 1994	66
5.3	Market value of foreign portfolio holdings in the Mexican	00
	money and stock markets	67
6.1	Performance of unhedged equities	77
6.2	Performance of hedged equities	81
6.3	Difference in performance between hedged and unhedged	01
	equities equities	82
6.4	Performance of unhedged equity portfolios	84–5
7.1	Correlation matrices in the pre- and post-crash periods	94
7.2	Average correlation coefficients	95
7.3	Volatility of the stock markets	96
7.4	Multivariate tests for the homogeneity of the variance-	70
	covariance matrices of the pre- and post-crash periods	97
7.5	Principal components for the pre-crash period	98
7.6	Principal components for the post-crash period	99
8.1	Standardized CAR for the S&P 500 index and oil spot	77
	and futures from 43 days before to 119 days after the	
	invasion of Kuwait	107
8.2	Augmented Dickey-Fuller tests of stationarity for S&P 500	107
	muck and on spot and futures prices	112
8.3	Augmented Dickey-Fuller tests of stationarity for S&D 500	112
	muck and on spot and futures returns	113
8.4	lests of cointegration between the S&P 500 index and oil	113
	spot and futures prices	114
8.5	Causality tests between S&P 500 index and oil spot and	114
	ratures prices	115
10.1a	Results of the estimation of equation (1) for export prices	113
	on the Italian market	148
		140

10.1b	Results of the estimation of equation (1) for export price	
10.1c	on the German market Results of the estimation of equation (1) for export price	149
10.10	on the French market	
10.1d	Results of the estimation of equation (1) for export price	150
	on the UK market	s 151
10.2a	Degree of simultaneity for export prices on the Italian	131
	market	153
10.2b	Degree of simultaneity for export prices on the German	133
	market	153
10.2c	Degree of simultaneity for export prices on the French	100
	market	154
10.2d	Degree of simultaneity for export prices on the UK mark	et 154
10.3a	Prediction accuracy of the export price equations on the	
	Italian market	160
10.3b	Prediction accuracy of the export price equations on the	
10.4	German market	160
10.3c	Prediction accuracy of the export price equations on the	
10 2 1	French market	161
10.3d	Prediction accuracy of the export price equations on the	
1.4.1	UK market	161
14.1 14.2	The valuation of the SDR (1 July 1974)	203
14.2	Revised SDR valuation (1 January 1986 to present)	204
14.4	Variability in exchange rates, 1974–93	206
17.7	Maximum swings in real effective exchange rates of five major currencies, 1963-92	205
14.5	Variability in real exchange rates, 1973–92	207
14.6a	A long hedge made by the buyer of the product	208
14.6b	A short hedge made by the seller of the product	213
16.1	Concentration in the Mexican banking system	213 242–4
16.2	Indexes of banking concentration in Mexico	242-4
16.3		243 247-51
17.1	Costa Rican banks: transition probabilities matrix,	247-31
	1974–81	269
17.2	Costa Rican banks: average and steady-state market share	
	1974–81	, 269
17.3	Costa Rican banks: transition probabilities matrix,	20)
	1982–90	270
17.4	Costa Rican banks: average and steady-state market share.	
	1982-90	271
18.1a	Sample correlation matrix of Prime rates, 1972-92	279
18.1b	Sample correlation matrix of CD rates, 1972-92	279
18.2a	Granger causality test of Prime rates, 1972-92	280
18.2b	Granger causality test of CD rates, 1972-92	280

18.3a	Impulse response to a unit shock in the German Prime rates, 1972–92	282
18.3b	Impulse response to a unit shock in the German CD rates 1972-92	5,
19.1	Bundesbank discount and/or Lombard rate change	282
	announcements and major Exchange Rate Mechanism	
	events, 1992–3	292
19.2	Bundesbank security repurchase agreement rate changes, 1992-3	293
19.3	ERM countries and their respective stock indexes	204
19.4	Indicator variable regressions for Bundesbank discount ar	nd/
	of Lombard rate change announcements during the 1992_	-3
10.5	ERM currency crisis	295
19.5	Indicator variable regressions for Bundesbank security	
	reputchase agreement rate change announcements during	
19.6	the 1992–3 ERM curency crisis	297
17.0	Two-day cumulative returns associated with Bundesbank	
19.7	discount and/or Lombard rate changes during 1992–3	299
27.7	Cumulative event-window returns for Bundesbank discourand/or Lombard rate change	
19.8	Cumulative event day abnormal many s	300–2
	Cumulative event-day abnormal returns for Bundesbank security repurchase agreement rate changes	
19.9	Announcement-day abnormal returns for selected interest-	304
	rate-related Eklyl events	
19.10a	Standard deviation of daily stock index returns during	308–9
	Science 1992-3 ERM Crisis intervals	312
19.10b	Ratios of variances of daily stock returns during coloated	312
	1772-5 Likivi Crisis intervals	313
19.11	Correlation coefficients of stock index returns for ERM	
	countries during the periods before and often the demand	s
A20.1	or and trary from the FKW	315
21.1	Total assets of foreign branches of US banks, 1955–91	326
21.1	riggicgate liet long-term resource flows to devolution	
21.2	countries, 1900–93	332
21.3	Percentage distribution of resource flows, 1986–93	333
	Official development assistance from OECD and OPEC members, 1970-91	
21.4	OECD: percentage distribusion COD	335
21.5	OECD: percentage distribution of ODA, 1970-91 OECD: ODA as percentage of donor GNP, 1970-91	336
21.6	FDI by countries, 1980–92	336
21.7	Portfolio equity flows, 1980–92	338
21.8	Debt indicator: EDT/XGS (%) 1080 02	339
21.9	Debt indicator: TDS/XGS (%), 1980–92	341
	5100 (10), 1700-72	341

22.1	Summary of correlation coefficient FDI outflow versus	
	selected variables	34
23.1	Descriptive statistics for the data	35:
23.2	Mean return per unit of risk for the sample	350
23.3	Correlations of returns for the sample	360
23.4	Analysis of variance of emerging markets and of UK	
	and emerging markets	36
23.5	Principal components, corresponding emerging market portfolios and selected diversified portfolios with 80:20 UK/EMPC mix	363
24.1	Mexico: correlation matrix for daily returns per share, 1992-4	370
24.2	Mexico: correlation matrix for squared daily returns per	370
	share, 1992–4	371
24.3	Mexico: correlation matrix for weekly returns per share, 1992-4	
24.4	Mexico: correlation matrix for squared weekly returns	372
	per share, 1992–4	272
24.5	Mexico: ARCH test for daily data	373 374
24.6	Mexico: ARCH test for weekly data	374 374
24.7	Mexico: estimation of the parameter, β	376
24.8	Mexico: ARCH tests for optimal combination	377
24.9	Mexico: estimation of the parameter δ_1	379
25.1	Underpriced Indian exports to the US, 1993	387
25.2	Overpriced Indian imports from the US, 1993	388
25.3	Income shifted from India to the US through 1993 trades	391
25.4	India's trades with the US, 1993	391
25.5	Average prices, upper and lower limits for Indian imports	
	from the US, 1993	396–9
25.6	Average prices, upper and lower limits for Indian exports to the US, 1993	
26.1	Gross capital outflows from selected Latin American	400-3
	countries	408
26.2	Dependent variable KO/GDP: estimation by least squares	412
26.3	Estimates of the Frontier function model	413
A1.26.1	Technical efficiency estimates	416
A2.26.1	Venezuela: selected economic indicators	417
A2.26.2	Chile: selected economic indicators	418
A2.26.3	Colombia: selected economic indicators	419
27.1	The wealth effects of exchange rate changes	428