## Contents

	Foreword, by Ronald C. Duncan, Chief, International	ix
	Commodity Markets Division, World Bank.	xiii
	Editors' Note	xv
	Introduction, by Lawrence R. Klein, Nobel Laureate	xix
	PART ONE Advances in Modelling Methodology	1
1	New horizons in international commodity market modelling W. C. Labys, J. B. Lesourd, N. D. Uri and O. Güvenen	3
2	Computing equilibria in imperfectly competitive commodity markets C. D. Kolstad and L. Mathiesen	51
3	Recent developments in spatial (temporal) equilibrium models: non-linearity, existence and other issues T. Takayama and T. C. MacAulay	71
4	Shadow pricing for natural resource goods and services, using the emergy method G. Pillet	91
	PART TWO Application of New Methodologies to Particular Commodity Markets (Agricultural, Mineral and Energy Commodities)	101
5	The effectiveness of the World Coffee Agreement: a simulation study using a quarterly model of the world coffee market F. C. Palm and B. Vogelvang	103
Ś	Modelling the world fibre market M. E. Thigpen and D. O. Mitchell	121

vi Contents

7	7 Technical change, relative prices and intermaterial substitution T. J. Considine	139
8	Spectral interpretation of stock adjustment processes in mineral markets  A. Afrasiabi, M. Moallem and W. C. Labys	157
9	The linkages between the markets for petroleum products and the market for crude oil: an econometric-linear programming study F. G. Adams, E. A. Kroch and V. Didziulis	177
10	Modelling the international natural gas market: the case of the Western European natural gas market J. B. Lesourd, J. Percebois and J. M. Ruiz	197
	PART THREE Application of New Methodologies to Commodity Futures Markets	209
11	Dynamic welfare analysis and commodity futures markets overshooting G. C. Rausser and N. Walraven	211
12	When does the creation of a futures market destabilize spot prices? P. Artus	233
13	The producer and futures markets J. P. Daloz	253
14	Futures prices and hidden stocks of refined oil products M. N. Lowry	263
	PART FOUR Application of New Methodologies to Other Commodity Market Issues	275
15	Post-recession commodity price formation M. J. Lord	<b>2</b> 77
16	Trade-offs between short-run stability and long-run risk when stabilizing a commodity market B. L. Dixon and A. J. Hughes Hallett	293
17	Are commodity prices leading indicators of OECD prices?  M. Durand and S. Blöndal	305

	Contents	vii
18	Conclusion O. Güvenen, W. C. Labys and J. B. Lesourd	323
	Index	327