## Index

Table 1-1-1-1 World economy outlook (real)	2
Figure 1-1-1-2 Transition of nominal GDP of major countries	2
Figure 1-1-1-3 GDP structural ratio and growth rate of all global nations by area	4
Figure 1-1-1-4 Transition of the world real GDP	5
Figure 1-1-1-5 Comparison of recovery to the level existed before the monetary crisis in the n	najoı
advanced economies and emerging	6
Figure 1-1-1-6 OECD economy leading indicator in the advanced economies	6
Figure 1-1-1-7 OECD economy leading indicator in the emerging economies	7
Figure 1-1-1-8 Transition of number of automobiles sold in the advanced and emerging	
economies	8
Figure 1-1-1-9 Transition of unemployment rates in the advanced economies	9
Figure 1-1-1-10 Transition of unemployment rates in the emerging economies	10
Figure 1-1-1-11 Transition of consumer confidence index in the advanced economies	11
Figure 1-1-1-12 Transition of housing prices in the major advanced economies (quarterly)	12
Figure 1-1-1-13 Transition of housing prices in the emerging economies/regions and resource	rich:
countries (quarterly)	12
Figure 1-1-1-14 Transition of housing prices in China	13
Figure 1-1-15 Transition of industrial production index in the advanced economies	14
Figure 1-1-1-16 Transition of industrial production index in the emerging economies	14
Figure 1-1-17 Consumer price index in the advanced economies	15
Figure 1-1-1-18 Consumer price index in the emerging economies	16
Figure 1-1-1-19 Policy interest rates in the advanced economies	17
Figure 1-1-1-20 Policy interest rates in the emerging economies	17
Figure 1-1-1-21 Movement of policy interest rates and nontraditional monetary policies	es in
countries/ regions	19
Table 1-1-1-22 Outlines of nontraditional monetary policies in major advanced economies	20
Figure 1-1-1-23 Transition of the world trade volume	21
Figure 1-1-1-24 Transition of import volume by counties/ regions	22
Figure 1-1-1-25 Transition of export volume by counties/ regions	22
Figure 1-1-1-26 Transition of export and import amount of the advanced and emerging econo	mies
(ratio to the same period of the previous year)	23
Figure 1-1-1-27 Share of the advanced and emerging economies account for the world trade	24
Figure 1-1-1-28 Transition of the exchange rate of Yen (against Dollar, Euro and Yuan)	25
Figure 1-1-1-29 Transition of share prices in the advanced economies	27
Figure 1-1-1-30 Transition of share prices in the emerging economies	28
Figure 1-1-1-31 Transition of the bad debt disposal in major countries	29
Figure 1-1-1-32 Transition of financial deficits in the advanced economies	30
Figure 1-1-1-33 Transition of financial deficits in the emerging economies	31
Figure 1-1-1-34 Policy interest rates in the advanced economies (short term)	32

Figure 1-1-1-35 Policy interest rates in the emerging economies (short term)	. 33
Figure 1-1-1-36 Transition of money supply (M1) in major advanced economies	. 34
Figure 1-1-1-37 Transition of market conditions of international commodities	. 34
Figure 1-1-1-38 Private capital flow to the emerging economies (whole)	. 35
Figure 1-1-1-39 Private capital flow to the emerging economies (details of private investment)	. 36
Figure 1-1-1-40 Capital flow to the emerging economies (by regions)	. 37
Figure 1-1-1-41 Capital flow to the emerging economies (Brazil and India)	. 38
Figure 1-1-1-42 Capital flow to the emerging economies (China)	. 39
Figure 1-1-1-13 Transition of housing prices in the emerging economies/regions and resource-	rich
countries (quarterly)	. 40
Figure 1-1-14 Transition of housing prices in China	. 41
Figure 1-1-1-43 Foreign currency reserves in the emerging economies	. 42
Figure 1-1-1-44 Transition of current account imbalance in major countries/regions	. 43
Figure 1-1-1-45 Transition of United States of America's current account deficits	. 44
Figure 1-1-1-46 Transition of balance of goods trade balance of United States of America (v	with
China, Quarterly basis)	. 45
Figure 1-1-1-47 Transition of China's current account surplus	. 46
Table 1-1-1-48 Transition of China's IS balance (ration to nominal GDP) by sectors	. 47
Figure 1-1-1-49 China and OECD member countries' saving ratio to nominal GDP	. 47
Figure 1-1-1-50 Expansion of imbalance in the major advanced economies/regions shown by	the
ratio of current account to GDP	. 48
Figure 1-1-1-51 Expansion of imbalance in the major emerging economies shown by the ratio	o of
current account to GDP	. 49
Figure 1-1-1-52 Emerging economies' international balance of payments	
Figure 1-1-1-53 Circulation of international capital flow	. 51
Figure 1-1-1-54 Transition of ratio of US national bonds held outside the country	. 54
Figure 1-1-2-1 Transition of growth rate of the real GDP and contribution degrees by demand it	ems
in the United States of America	. 57
Figure 1-1-2-2 Transition of real individual consumption and saving ratio in the United State	s of
America	. 58
Figure 1-1-2-3 Transition of retail prices of regular gasoline in United States of America	. 59
Figure 1-1-2-4 Transition of real individual consumption and contribution degree by expendi	ture
items in United States of America	
Figure 1-1-2-5 Transition of retail sales in United States of America	. 60
Figure 1-1-2-6 Disposable income and contribution degree by factors in United States of	
America	. 61
Figure 1-1-2-7 Transition of US Conference Board consumer confidence index and Michi	•
University consumer sentiment index	
Figure 1-1-2-8 Transition of US real export import amount and contribution degree of net export	
real GDP growth rate	. 63

Figure 1-1-2-9 Transition of sales of housing (new housing and resale housing) in United	States of
America	64
Figure 1-1-2-10 Transition of number of house building and number of authorization to bu	ild house
in United States of America	65
Figure 1-1-2-11 Transition of housing sales to stock ratio (new houses/used houses) is	n United
States of America	66
Figure 1-1-2-12 Transition of Case Schiller 20 cities housing price index	67
Figure 1-1-2-13 Transition of rate of housing loan in arrear and percentage of credit	losses in
United States of America	67
Table 1-1-2-14 Transition of balance sheet (major items) of household sector in United Sta	ites of
America	68
Figure 1-1-2-15 Transition of industrial production index and facilities operating rate in U	nited
States of America	69
Figure 1-2-1-16 Stock circulation chart of United States of America	69
Figure 1-2-1-17 Transition of share prices in United States of America	70
Figure 1-1-2-18 Real private facilities investment and contribution degree by major items	in United
States of America	71
Figure 1-1-2-19 Transition (three months transfer average) of shipment and new orders	
received of non-defense capital goods (excluding aviation related goods) in United	
States of America	71
Figure 1-1-2-20 Transition (facilities investment, three months transfer average) of	Federal
Reserve Bank of New York's business condition index and Federal Reserve Bank of Phila	ıdelphia's
business condition index in United States of America	72
Figure 1-1-2-21 Transition of ISM manufacturing industry business condition index and l	SM non-
manufacturing industry business condition index in United States of America	73
Table 1-1-2-22 Transition of accumulated expenditure amount by American	74
Figure 1-1-2-23 Up thrust effect for real GDP by the American Recovery and Reinvest	ment Act
(ARRA)	74
Table 1-1-2-24 Outline of additional economic stimulus measures	75
Figure 1-1-2-25 Transition of US federal fiscal revenue and expenditure	76
Table 1-1-2-26 Outline of United States of America's national export strategy	77
Figure 1-1-2-27 Transition of US trade balance	78
Figure 1-1-2-28 Transition of US real GDP growth rate and ratios of saving, investigation	nent and
current account to GDP	79
Figure 1-1-2-29 Transition of United States trade balance (quarterly basis, by countries/	
regions)	80
Table 1-1-2-30 Transition of US official discount rate and federal funds target rate	81
Table 1-1-2-31 Transition of non-traditional monetary policy by US FRB	82
Figure 1-1-2-32 Transition of balance sheet of US FRB (asset side)	83
Table 1-1-2-33 FMOC Statements FRB high officials' remarks and market viewnoints h	efore the

invocation of US additional monetary easing measures	. 84
Figure 1-1-2-34 Increase and decrease in number of non-agricultural sectors employees	and
transition of unemployment rate in United States of America	. 86
Figure 1-1-2-35 Transition of unemployment rate and labor participation rate in United States	s of
America	. 87
Figure 1-1-2-36 Transition of number of new applicants for unemployment insurance in Uni	ited
States of America	. 88
Figure 1-1-2-37 Transition of US inflation index	. 89
Figure 1-1-2-38 Transition of US consumer price index	. 90
Figure 1-1-3-1 Transition of nominal GDP in the world top 3 countries	. 91
Table 1-1-3-2 Ranking the world export and import in 2010	. 92
Figure 1-1-3-3 Transition of nominal GDP growth rate and contribution degree by demand item	s in
China	. 93
Figure 1-1-3-4 Transition of growth rate and contribution degree of urban area fixed as	sets
investment in China	. 94
Figure 1-1-3-5 Transition of growth rate of retail sales amount (by commodities) in China	. 96
Figure 1-1-3-6 Transition of income growth rates in urban and rural areas in China	. 96
Figure 1-1-3-7 Transition of China's trade balance	. 97
Figure 1-1-3-8 Transition of trade balance by China's trade partner countries/regions	. 98
Figure 1-1-3-9 Transition of total trade amount by China's partner countries/ regions (top	10
countries/ regions)	. 98
Figure 1-1-3-10 Situation of China's approach for economic partnership Iceland (under	
negotiation)	. 99
Figure 1-1-3-11 Transition of China's processing trade balance	100
Figure 1-1-3-12 Transition of China's general trade balance	101
Figure 1-1-3-13 Transition of ratio of processing trade accounting for China's total export	and
import amount	101
Figure 1-1-3-14 Transition of ratio of foreign companies account for China's total export	and
import amount	102
Figure 1-1-3-15 Transition of ratio of total wage account for China's nominal GDP	103
Figure 1-1-3-16 Transition of average wages in China	104
Figure 1-1-3-17 Transition of application ratio (by jobs) in China	105
Figure 1-1-3-18 Transition of application ratio (by areas) in China	105
Figure 1-1-3-19 Transition of age group (share) accounting for the total population of China	106
Figure 1-1-3-20 Transition of growth rate of real estate price index in major 70 cities of China.	108
Figure 1-1-3-21 Transition of China's monetary policies	108
Figure 1-1-3-22 Transition of net increasing amount for new lending	109
Figure 1-1-3-23 Transition of Marshall's K in China	110
Figure 1-1-3-24 Transition of China's international balance of payments	110
Figure 1-1-3-25 Transition of consumer price index in China	111

Figure 1-1-3-26 Transition of exchange rate of Chinese Yuan against US dollar	112
Figure 1-1-3-27 Transition of consumption tendency of household in China	113
Figure 1-1-3-28 Transition of urbanization rate in China	114
Figure 1-1-3-29 Nominal GDP per capita by areas in China (2009)	114
Figure 1-1-3-30 Transition of income gaps between urban and rural areas in China	115
Table 1-1-3-31 Basic policy of China's economic measures	115
Figure 1-1-3-32 Transition of population composition in China	116
Table 1-1-3-33 Primary targets of China's 12th 5-year plan	117
Figure 1-1-4-1 Transition of the real GDP growth rates of major countries in Euro zone and	
Europe	119
Figure 1-1-4-2 Transition of the real GDP growth rates of countries in South Europe	120
Figure 1-1-4-3 Transition of the real GDP growth rates of countries in Euro zone by demand	
items	121
Figure 1-1-4-4 Export orders to manufacturing industry in Euro zone received from outside	the
region	122
Figure 1-1-4-5 Transition of industrial production in Euro zone	123
Figure 1-1-4-6 Transition of retail sales in Euro zone	124
Figure 1-1-4-7 Transition of number of jobless workers and unemployment rate	124
Figure 1-1-4-8 Transition of consumer prices in Euro zone	126
Figure 1-1-4-9 Transition of real GDP growth rate in Germany	127
Figure 1-1-4-10 Dependency on export of major country in Euro zone (2009)	128
Figure 1-1-4-11 Germany's export destination (2010)	128
Figure 1-1-4-12 Transition of export amount and share from Germany to China	129
Figure 1-1-4-13 Transition of unemployment rate in Germany	129
Figure 1-2-1-1 Transition of international commodities market conditions	130
Figure 1-2-1-2 Transition of principal resources and food prices (over the past 10 years,	
monthly)	131
Figure 1-2-1-3 Transition of FAO food price index	135
Figure 1-2-1-4 Decomposition of factors causing price fluctuation (crude oil and copper)	137
Figure 1-2-1-5 Decomposition of factors causing price fluctuation (Wheat and corn)	138
Figure 1-2-1-6 Transition of crude oil demand and supply (inventory fluctuation)	139
Figure 1-2-1-7 Copper: inventory fluctuation and price movement	140
Figure 1-2-1-8 Appreciation of wheat price and spreading to grain prices	141
Figure 1-2-1-9 Changes in import prices and nominal effective exchange rate in countries/	
regions	142
Figure 1-2-1-10 Transition in the consumer price index (advanced and emerging	
economies)	143
Column Figure 1-1 Main purposes of rear metal	
Column Figure 1-2 31 types of rare metal	146
Table 1-3 column Transition of China's authorized export limit and export performance of	rare

earth	147
Table 1-4 column Major production countries of rare metal (2010)	148
Figure 1-2-2-1 Fiscal revenue and expenditure of countries in Euro zone (ration to GDP)	149
Figure 1-2-2-2 Government outstanding obligation of countries in Euro zone	149
Table 1-2-2-3 Details of European financial crisis (as of May 2011)	150
Figure 1-2-2-4 Structure of European Financial Stabilization Mechanism (EFSM)	152
Figure 1-2-2-5 Structure of European Financial Stabilization Facility (EFSF)	152
Figure 1-2-2-6 Transition of real GDP growth rates of countries in Euro zone	155
Figure 1-2-2-7 Comparison of real GDP growth rates of countries in the euro zone (average	from
2001 through 2007)	156
Figure 1-2-2-8 Transition of current account of countries in Euro zone	157
Figure 1-2-2-9 Transition of rate of return of 10 years term national bonds in countries in	ı Euro
zone	158
Figure 1-3-2-1 Transition currencies exchange rates against US dollar mainly in em	erging
economies	162
Table 1-3-2-2 Emerging economies' measures to the capital inflow	163
Figure 1-3-3-1 Prospects of current account of major G20 countries (countries with 5% or	more
GDP shares to the total GDP of G20)	166
Figure 1-3-5-1 Transition of global trade volume before and after the monetary crisis	170
Figure 1-4-1-1 Exchange rates of major currencies against Yen	177
Figure 1-4-1-2 Movement of Japanese yen before and after the earthquake disaster	179
Figure 1-4-1-3 Movement of Yuan before and after the earthquake disaster	180
Figure 1-4-1-4 Movement of Korean Won before and after the earthquake disaster	181
Figure 1-4-1-5 Movement of Euro before and after the earthquake disaster	182
Figure 1-4-1-6 Transition of world major stock price indices	183
Figure 1-4-1-7 Conditions of recovery to stock prices existed before the earthquake d	isaster
(countries recovered fast and the stock prices rose afterward)	184
Figure 1-4-1-8 Conditions of recovery to stock prices existed before the earthquake d	isaster
(countries recovered slowly and the stock prices continued to decline)	185
Figure 1-4-1-9 Transition of main commodity prices in international commodity markets	186
Figure 1-4-1-10 Transition of crude oil prices before and after the earthquake disaster (future for the earthquake disaster).	es and
short term)	187
Figure 1-4-1-11 Transition of resource prices before and after the earthquake disaster (gold	l, iron
ore and copper)	188
Figure 1-4-1-12 Transition of food prices before and after the earthquake disaster (corn, whe	at and
soy bean)	190
Figure 2-1-1-1 Bilateral and regional trade amount (export + import) (1990)	192
Figure 2-1-1-2 Bilateral and regional trade amount (export + import) (2000)	192
Figure 2-1-1-3 Bilateral and regional trade amount (export + import) (2008)	191
Table 2-1-1-4 Share of bilateral and regional trade amount accounting for the total trade a	mount

among the six poles (from left to right 1900, 2000 and 2009)	191
Table 2-1-1-5 GDP scale factor and trade amount scale factor among countries/ regions of	f the six
poles (2009 / 1990)	195
Figure 2-1-1-6 Conceptual chart of trade relation among the three poles (1990)	
(Blue line shows trade relation in 1990 and red line shows trade relation in 2008)	197
Figure 2-1-1-7 Conceptual chart of trade relation among the three poles (from 1990 to 2008	3) 197
Figure 2-1-1-8 Bilateral and regional trade amount (export + import) (2009)	198
Figure 2-1-1-9 Bilateral and regional trade amount (export + import) (2010)	199
Figure 2-1-1-10 Conceptual chart of trade relation among the three poles (from 2008 to 201	0).199
Table 2-1-1-11 Import amount and share of the top 10 China's import partner countries/	
regions	201
Table 2-1-1-12 Export amount and share of the top 10 China's export partner countries/	
regions	201
Figure 2-1-1-13 Transition of trade balance between China and Germany	202
Table 2-1-1-14 Transition of import amount from Germany to China by commodities	203
Figure 2-1-1-15 Share of imported "passenger cars and other automobiles (HS58703)" in C	China by
export countries/ regions (upper left 2008, upper right 2010 and lower center 2000)	204
Table 2-1-2-1 Overview of Asia Pacific Region	205
Figure 2-1-2-2 Composition of trade goods in East Asian countries/ regions by production	
process	206
Figure 2-1-2-3 Movement of trade of intermediate and final goods in East Asian countries/	regions
(1999)	208
Figure 2-1-2-4 Movement of trade of intermediate and final goods in East Asian countries/	regions
(2009)	209
Figure 2-1-2-5 Movement of trade relating to East Asia Production Network	211
Figure 2-1-2-6 Transition of intermediate goods export amount from Japan (by export	
destination)	212
Figure 2-1-2-7 Transition of share of export amount of intermediate goods from Japan (i	in 1990,
1999 and 2009)	212
Figure 2-1-2-8 Transition of share of export amount of intermediate goods to ASEAN (i	in 1990,
1999 and 2009)	213
Figure 2-1-2-9 Transition of final goods export amount to China	214
Figure 2-1-2-10 Flow to export final goods to China (1999)	215
Figure 2-1-2-11 Flow to export final goods to China (2009)	216
Figure 2-1-2-12 Details of final goods export to China (by production process)	216
Figure 2-1-2-13 Transition of number of Japanese companies operating in India	218
Figure 2-1-2-14 Movement of intermediate and final goods trade focused on India	219
Figure 2-1-2-15 Movement of intermediate and final goods trade focused on India	
Figure 2-1-2-16 Flow of final goods export to India (US\$100 million)	220
Figure 2-1-2-17 Flow of final goods export to India (US\$100 million)	220

Figure 2-1-2-18 Scene of Japan India EPA signing ceremony on February 16, 2011	. 221
Figure 2-1-2-19 Outline of Asia Overall Development Plan	. 222
Figure 2-2-1-1 Nominal GDP of MERCOSUR (2010)	. 224
Figure 2-2-1-2 Transition of population by income group in Argentina	. 225
Figure 2-2-1-3 Transition of population by income group in Brazil	. 226
Figure 2-2-1-4 Argentina's export and import shares within MERCOSUR and to/ from C	China
(2010)	. 227
Figure 2-2-1-5 Brazil's export and import shares within MERCOSUR and to/ from China	
(2010)	. 227
Figure 2-2-1-6 Paraguay's export and import shares within MERCOSUR and to/ from C	China
(2010)	. 228
Figure 2-2-1-7 Uruguay's export and import shares within MERCOSUR and to/ from China	
(2010)	. 228
Figure 2-2-1-8 Venezuela's export and import shares within MERCOSUR and to/ from C	China
(2010)	. 229
Figure 2-2-1-9 Brazil's main export and import partner countries (2010)	. 229
Figure 2-2-1-10 MERCOSUR countries' percentage of export and import within the region to	o the
entire export and import	. 230
Figure 2-2-1-11 Brazil's trade with ASEAN (2000 and 2010)	. 232
Table 2-2-1-12 Trade amount of Brazil and ASEAN (2010)	. 232
Figure 2-2-1-13 Transition of China's trade with MERCOSUR (1995, 2000 and 2010)	. 233
Table 2-2-1-14 Trade amount of China and MERCOSUR (2010)	. 234
Table 2-2-1-15 Trade amount of Brazil and NAFTA (2010)	. 235
Table 2-2-1-16 Trade amount of EU and MERCOSUR (2010)	. 235
Figure 2-2-2-1 Brazil's inflation index (Indice Nacional de Precos ao Consumidor Amplo (IP	CA)
(Ratio of this month to the previous year)	. 236
Figure 2-2-2-2 Brazil's government outstanding obligation and its ratio to GDP (net)	. 237
Figure 2-2-2-3 Transition of Brazil's foreign debt and foreign currency reserve	. 238
Table 2-2-2-4 Transition of Brazil's current account and domestic direct investment	. 238
Figure 2-2-2-5 Brazil's industrial production index	. 239
Figure 2-2-2-6 Brazil's automobile sales share (2010)	. 240
Figure 2-2-2-7 Brazil's Television sales share (2009)	. 241
Figure 2-2-2-8 Brazil's motorcycle sales share (2010)	. 242
Table 2-2-2-9 Trade amount of Brazil and Japan (2010)	. 243
Figure 2-2-2-10 Transition of Brazil's trade with Japan	. 243
Table 2-2-2-11 Major attendants at Japan Brazil Trade Promotion Joint Committee meeting	. 244
Figure 2-2-2-12 Argentina's partner countries/ regions to export automobile (May 2011)	. 245
Fihure 2-3-1-1 The International Trade Balance, the Input Output Table and Classification in	
sector.	. 249
Figure 2-3-1-2 Japan's Current Balance as a percentage of GDP	250

Figure 2-3-1-3
Figure 2-3-1- 4 Ratio of Japanese trade value in proportion of the GDP (Trade dependency ratio,
Yen, ratio of name value)
Figure 2-3-1-5 Comparison of dependency ratio of "goods trade" among 4 countries (in proportion
of GDP) (Left: Export, Right: Import)
Figure 2-3-1-6 Japanese values of goods trade according to degree of processing. (Left: Gross,
Right: Net)
Figure 2-3-1-7 Comparison of "other than trade" among 4 countries in 2007 in proportion of the
GDP
Figure 2-3-1-8 Balance of Japanese "other than trade" in proportion of the GDP. (Left; Gross.
Right; Net)
Figure 2-3-1-9 Ratio of Japanese fee for using patents and so on in proportion of the GDP. (Left:
Gross, Right: Net)
Figure 2-3-1-10 Ratio of Japanese investment profit in proportion of the GDP. (Left: Gross, Right:
Net)
Figure 2-3-1-11. Japanese ratio of "return on re-investment" (left) and "Internal reserves
ratio"
Figure 2-3-1-12 Change of Japanese gross domestic production classified by each economic
activity (Real: Chain reaction method)
Table 2-3-1-13 Change of Japanese composition ratios for demand and supply. (Input-Output
Table, %)
Column Figure 2-1 The ratio of the exchange rate of dollar dominated PPP and foreign
exchange rate
Figure 2-3-2-1 Domestic Input-Output mechanism, and flow of ripple effect
FIG. 2-3-2-2 Flow of domestic ripple effect
Figure 2-3-2-3 Change of "direct effect" of domestic Input-Output mechanism
Figure 2-3-2-4 Japanese domestic production ratio shown in each consumer and goods 275
Figure 2-3-2-5 Change of domestic "self-sufficiency ratio" at 4 points of time
Figure 2-3-2-6 Change of domestic "local content ratio" during 4 points of time
Figure 2-3-2-7 Change of domestic ripple effect structure
Figure 2-3-2-8 Change of "ratio of domestic remainder" of domestic "production process" 278
Figure 2-3-2-9 Change of "ratio of domestic remainder" of domestic "whole process"
Figure 2-3-2-10 Amount of change of domestic "ratio of domestic remainder"
Column Figure 2.1 District division in domestic regional table
Column Figure 3-1 District division in domestic regional table
Column Table 3-2. Domestic linkage of ripple effect (Calculate composition ratio to make the total
Column Table 3-2. Domestic linkage of ripple effect (Calculate composition ratio to make the total
Column Table 3-2. Domestic linkage of ripple effect (Calculate composition ratio to make the total in horizontal direction by 100%, or in unit %)
Column Table 3-2. Domestic linkage of ripple effect (Calculate composition ratio to make the total in horizontal direction by 100%, or in unit %)

Figure 2-3-3-3 Japanese skyline chart in 2005	287
Table 2-3-3-4 Domestic "ripple effect", according to source of each inducement, and "direct	" and
"indirect" respectively. (Input-Output Table, %)	. 288
Table 2-3-3-5 Breakdown of domestic "ripple effect," and composition ratio according to indu	ıstrial
section (Input-Output Table, %)	289
Figure 2-3-3-6 Domestic gap of ripple effects between domestic demand and foreign demand	290
Table 2-3-3-7 Change of Japanese ratios of export amount and import amount against the	GDP
(National Account, %)	291
Figure 2-3-3-8 Change of domestic "balance of ripple effect"	292
Figure 2-3-3-9 Factorization of change of domestic trade structure from 1990 to 2005	293
Figure 2-3-3-10 Change of domestic labor force (reference year of 1980)	295
Table 2-3-3-11 Domestic employment effect according to each source of inducement (Input-C	utput
Table, Employment Table, %)	296
Table 2-3-3-12 Domestic production inducement dependency ratio of employment,	and
composition ratio of employment inducement. (Input-Output Table, Employment Table, %)	297
Table 2-3-3-13 Comparison of domestic ripple structure at 4 points of time. (Matching to	FIG.
2-3-3-8)	297
Table 2-3-3-14 Factorization of domestic ripple effect structure in 1990 and 2005 (Referen	ce of
"Trade 1990♦", and matching to FIG. 2-3-3-9)	. 298
Table 2-3-3-15 Domestic promotion of exports and employment (Reference of measured value	ıes in
2005, and matching to FIG. 2-3-3-9)	299
Column Figure 4-1 Ratio of domestic supply composition according to each good (2007)	302
Column Table 4-2 Ratio of composition of imports according to counterpart country conce	rning
Japanese imports of resources and energy (2007)	. 303
Figure 3-1-1-1 Change of population of emerging countries by income group	305
Figure 3-1-1-2 Changes in middle income group in emerging countries/regions	306
Figure 3-1-1-3 Comparison of changes in high income group between developed countrie	s and
emerging economies	307
Table 3-1-1-4 Overview of Asian emerging countries/regions	308
Figure 3-1-1-5 Change in ratio by trade partner/region to total import and export of Japan	309
Figure 3-1-1-6 Ratio at each Income Level in China	310
Figure 3-1-1-7 Ratio at each Income Level in ASEAN6	310
Figure 3-1-1-8 Ratio at each Income Level in NIEs3	311
Figure 3-1-1-9 Ratio at each Income Level in India	311
Figure 3-1-1-10 Changes in population for each income group, and ratio of upper middle in	come
group and higher	312
Figure 3-1-1-11 Changes in population of disposable income per annum 35,000 dollars and	above
in Asian various countries/regions	. 313
Figure 3-1-2-1 Countries in which Japanese manufacturers invest in direct at present and place	e top
priority in investment	. 314

Figure 3-1-2-2 Specific business plan in the countries/regions which Japanese manufacturing	18
industry regards as promising for medium-term (next three years)	5
Figure 3-1-2-3 The regions which Japanese manufacturers regard as promising in China 31	6
Figure 3-1-2-4 Regions in China which will be the target of business in China	6
Figure 3-1-2-5 Countries/regions in which Japanese manufacturers have large sales amount ar	ıd
Situation of share for amount in the countries/regions	17
Figure 3-1-2-6 Ratio of the largest purchasing power group of Japanese manufacturers	
products	8
Figure 3-1-2-7 Share of the number of AV equipment sold to the world (2009)	
Table 3-1-2-8 Production value and Japanese company's share of AV equipment	9
Figure 3-1-2-9 TV & Projector Share of the number by country (2009)	20
Figure 3-1-2-10 The problem inside and outside company being faced in emerging countries	es
market development	21
Figure 3-1-2-11 Sales amount share and operating profit on sales by various companies group	of
Japan, the United States and Europe, and Asia (automobile)	22
Figure 3-1-2-12 Sales amount share and operating profit on sales by various companies group	of
Japan, the United States and Europe, and Asia (household appliance)	22
Figure 3-1-2-13 Advantage and weak point of the business in the emerging countries	23
Figure 3-1-2-14 Product development method for market development in emerging countries	es
before and after the financial crisis and in the future	24
Figure 3-1-2-15 Product development method for market development in emerging countries by	у
income group which Japanese manufacturers are targeting for	25
Figure 3-1-2-16 Change of business records of Japanese manufacturers (before and after financi	a
crisis and future forecasts)	26
Figure 3-1-2-17 Index of international competitiveness of company group in Japan, USA, European Science 1982 (1982) and 1982 (1982) and 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) and 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) and 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) and 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) and 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) and 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group in Japan, USA, European Science 1982 (1982) are sense of company group group in Japan, USA, European Science 1982 (1982) are sense of company group grou	ре
and Asia (automobile)	27
Figure 3-1-2-18 Index of international competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of company group in Japan, USA, European Science (1988) and the competitiveness of competitiv	ре
and Asia (household appliance)	27
Figure 3-1-2-19 Percentage of commoditization (generalization) product business in sales amou	nt
of Japanese manufacturers	28
Figure 3-1-2-20 Profit of commoditization (generalization) product business of Japanes	se
manufacturers and future policy	29
Figure 3-1-2-21 Purpose of direct investment that Japanese manufacturers place top priority 33	30
Figure 3-1-2-22 Function that is considered to have more weight in overseas than in Japan in the	he
future	30
Figure 3-1-2-23 Change of domestic production ratio of Electronic parts, device, AV equipment	ıt
and automobile	31
Figure 3-1-2-24 Policy for the domestic employment in the case of increasing weight of various	us
functions of company in overseas	32
Table 3-1-2-25 Operation trend of Japanese companies in main 16 machine-associated industri	٥,

(2009)
Table 3-1-3-1 Effect by "Industrial Structure Vision 2010" Ministry of Economy, Trade and
Industry to the 5 Strategic Area
Figure 3-1-3-2 The field of business considered to be promising toward overseas market
development
Figure 3-1-3-3 Change of operating profit on sales of the company group related to automobile,
household appliance, infrastructure
Figure 3-1-3-4 Change of wage index in Asian emerging countries/ regions
Figure 3-1-3-5 Chronological comparison of per capita GDP (purchasing power parity) of China,
India, Indonesia, Vietnam and Japan
Figure 3-1-3-6 Change of wage level of China and import of industrial robot
Figure 3-1-3-7 Change of ratio of productive population in Japan, China, India, Indonesia, and
Vietnam
Figure 3-1-3-8 Top Ten countries (as of 2009) of operating industrial robot in the world and
number of robot introduced
Figure 3-1-3-9 Number of operating unit of industrial robot in Asia
Table 3-1-3-10 Asian needs for infrastructure investment (between 2010 and 2020)
Figure 3-1-3-11 Change of percentage for Japanese manufacturer to designate the inadequate
infrastructure as a problem in the country/region which Japanese manufacturing industry regards as
promising for medium-term (about next three years)
Figure 3-1-3-12 The economic ripple effect of the large-scale project (from policy cost analysis of
the JBIC)
Figure 3-1-3-13 Export value of Japanese equipment related to overseas plant engineering 344
Figure 3-1-3-14 Effect with accomplishment of target of "New Growth Strategy" (infrastructure
market scale 19,700 billion yen in 2020)
Figure 3-1-4-1 Status of utilization of free trade agreement (FTA), and economic partnership
agreement (EPA)
Figure 3-1-4-2 The specific content that Japanese manufacturers strongly require for international
business
Figure 3-1-4-3 Countries/regions with which the conclusion of free trade agreement (FTA), the
economic partnership agreement
Figure 3-1-4-4 Reason not to utilize free trade agreement (FTA), and economic partnership
agreement (EPA)
Figure 3-1-4-5 Future business forecasts (sales amount) by status of utilization of free trade
agreement (FTA), and economic partnership agreement (EPA)
Figure 3-1-4-6 Requirement for development of the macroeconomic environment
Figure 3-1-4-7 Purpose of use of surplus money created by the development of the macroeconomic
environment
Figure 3-1-4-8 Purpose of use of the overseas subsidiary company profit before and after the
introduction of the foreign dividend exemption system

Figure 3-2-1-1 Decision points of direct investment
Figure 3-2-1-2 Reason to advance overseas
Figure 3-2-1-3 Function which increases in future overseas business development
Figure 3-2-1-4 Non-Japanese personnel required
Figure 3-2-1-5 Countries/regions in which sales function abroad is enhanced in the future 359
Figure 3-2-1-6 Industries that has high percentage to expand various functions abroad in the
Future
Figure 3-2-1-7 The place where research and development are performed
Figure 3-2-1-8 The directivity of the research and development in foreign countries
Table 3-2-1-9 Comparison of the percentage of Japanese direct investment balance in foreign
assets balance with those of Europe and U.S.A
Figure 3-2-1-10 Comparison of the rate of return of the direct investment of Japan with those of
Europe and U.S.A. 363
Figure 3-2-1 -11 Change of Japanese direct investment balance by country
Figure 3-2-1-12 Change of operating profit on sales of Japanese-owned overseas affiliated
company
Figure 3-2-1-13 Percentage of sales amount and ordinary profit of the Japanese-owned overseas
affiliated company (total industry)
Table 3-2-1-14 Change of percentage of Japan in the inward direct investment of major Asian
countries
Figure 3-2-1-15 Comparison of advantage and weak point of the Japanese company in emerging
country business and developed country business
Table 3-2-1-16 Specific example case of customizing measures
Figure 3-2-1-17 Survey of the current living conditions of the middle-income group in the
emerging countries
Figure 3-2-1-18 What is required for the business tie-up partner in the overseas market
Figure 3-2-1-19 The evaluation of Japanese company for South Korea-owned and Chinese-owned
companies
Figure 3-2-1-20 The managerial decisions authorization in the overseas affiliated company of
automobile industry
Figure 3-2-1-21 The managerial decisions authorization in the overseas affiliated company of
electrical machinery industry
Table 3-2-1-22 Detailed example of concession of authorities
Figure 3-2-2-1 Comparison of amount of sale by destinations in Japanese-owned overseas
affiliated company (manufacturers)
Figure 3-2-2-2 Comparison of procurement source of Japanese-owned overseas affiliated company
(manufacturers)
Figure 3-2-2-3 Relationship of increase of sales amount of Japanese-owned overseas affiliated
company and increase of the intermediate commodity export
Figure 3-2-2-4 Change of Japanese trade specialization index by type of goods

(For China, Korea)
Figure 3-2-2-5 Comparison of ratio of source of procurement of Japanese-owned overseas
affiliated company (manufacturing industry)
Figure 3-2-2-6 Change of Japanese direct investment income, patents etc. income and tourism
revenue
Figure 3-2-2-7 Change of balance of direct investment, and balance of patent etc. of Japan 385
Figure 3-2-2-8 Purpose of use of the surplus funds repatriated to Japan
Figure 3-2-2-9 Comparison of number of employees of overseas affiliated company and domestic
corporation (1)
Figure 3-2-2-10 Comparison of number of employees of overseas affiliated company and domestic
corporation (2)
Figure 3-2-2 -11 Function which increases in Japan
Figure 3-2-2-12 Evolution of Japanese economy accompanying with progress of localization into
emerging countries
Figure 3-2-2-13 Proportion of direct investment company and export company by company
size
Column Figure 5-1 Main promising sectors and Social issues for Japanese businesses 394
Column Figure 5-2 Action in 2010 for promoting BOP business and future action plan 395
Column Figure 5-3 The specific service contents of Japan Inclusive Business (BOP business)
Support Center
Column Figure 5-4 Change of number of the Japan Inclusive Business Support Center members
and the details
Column Figure 5-5 Subject countries and fields of BOP business of interest
Column Figure 5-6 The future direction of the Japan Inclusive Business Support Center (plan) 399
Table 4-1-1-1 Trend of Japanese industrial production (by business category) in March and April,
2011
Figure 4-1-1-2 The production trend of major industry and item which Japanese production of
March and April 2011 was in minimized level in late years
Figure 4-1-1-3 Change of export from Japan to major countries/regions
Table 4-1-1-4 Trend of Japanese export from early 2011
Table 4-1-1-5 The items that marked double-digit growth in Japanese export year on year basis
both in January and February, 2011
Table 4-1-1-6 Trends of Japanese export in March and April 2011
Figure 4-1-1-7 Trends of the industrial production of U.S.A
Table 4-1-2-1 Trade trends of the 5 disaster-affected prefectures in 2010
Table 4-1-2-2 Trade trends of ports located in the 5 disaster-affected prefectures in 2010 410
Table 4-1-2-3 High rank export items from the ports which suffered the big damage (2010 total, six
digits of HS cord bases)
Table 4-1-2-4 High rank export items from the ports which suffered the damage (2010 total, six
digits of HS cord bases)

Table 4-1-2-5 The export from major ocean ports, airports from where cargo produced in Hokkaido,
Tohoku areas are ship
Table 4-1-2-6 Export direction of automobile parts produced in Tohoku region
Table 4-1-2-7 Percentage of automobile parts exported from Japan by production area
Table 4-2-1-1 Japanese export of automobile parts by region (2010 total)
Table 4-2-1-2 Major export destination countries/regions of Japanese
Table 4-2-1-3 Share of automobile parts exported from various domestic regions, in the export to
various countries/regions of the world (2010 total)
Figure 4-2-1-4 Image of the global supply-chain of automobile parts originated from Japan 423
Table 4-2-1-5 Japanese export of electronic parts by region (2010 total)
Table 4-2-1-6 The major export destination countries/regions of electronic parts of Japan (2010
total)
Table 4-2-1-7 Share of electronic parts exported from various domestic regions, in the export to
various countries/regions of the world (2010 total)
Figure 4-2-1-8 Image of the global supply-chain of electronic parts originated from Japan 247
Table 4-2-1-9 Japanese export of microcomputers by region (2010 total)
Table 4-2-1-10 The major export destination countries/regions of microcomputer of Japan (2010
total)
Table 4-2-1-11 Share of microcomputers exported from various domestic regions, in the export to
various countries/regions of the world (2010 total)
Table 4-2-1-12 Comparison of inventory-sales ratio (at each production process) of Japanese main
manufacturing industry (as at end of FY2009)
Figure 4-2-1-13 Comparison of inventory-sales ratio of car industry and electrical machinery
industry of Japan (after the end of 1960: in chronological order)
Table 4-2-1-14 Comparison of SCM between car industry and electrical machinery industry of
Japan
Figure 4-2-1-15 Relationship of stock and sales administrative expense in Japanese car industry
and electrical machinery industry (after the end of 1960: in chronological order)
Table 4-2-2-1 Intermediate demand (endogenous) sector in various domestic regions which have
large amount of intermediate input from Tohoku region
Table 4-2-2-2 Details of machinery sector in Kanto region which have large amount of
intermediate input from Tohoku region
Table 4-2-2-3 The intermediate input sector of various domestic regions which have large amount
of intermediate input to automobile parts in Kanto region
Table 4-2-2-4 The intermediate input sector of various domestic regions which have large amount
of intermediate input to electronic parts sector in Kanto region
Table 4-2-2-5 The intermediate input sector of various regions which have large amount of
intermediate input to automobile parts in various domestic regions
Table 4-2-2-6 The intermediate input sector of various regions which have large amount of
intermediate input to electronic parts sector in various domestic regions 447

Table 4-2-2-7 Destination of intermediate input of the automobile parts and electronic parts sectors
of Tohoku region
Table 4-2-2-8 Comparison of the destination region of intermediate input of the automobile parts
and electronic parts sectors of Tohoku region
Table 4-2-2-9 Comparison of the destination regions of intermediate input of automobile parts,
electronic parts sectors of various domestic regions
Table 4-2-2-10 Re-input etc. by the automobile parts, the electronic parts sectors of various
domestic regions to the same sectors
Table 4-2-2-11 Comparison of the demand structure of automobile parts, electronic parts of various
domestic regions
Figure 4-2-2-12 Global supply-chain of automobile parts originated from Tohoku region 460
Table 4-2-2-13 Export structure of automotive parts industry in consideration of Japanese indirect
export
Figure 4-2-3-1 Expression of concern in the economic report by FRD of U.S.A. (published on
April 13, 2011)
Figure 4-2-3-2 Status and forecasts of production base recovery in the disaster stricken area 465
Figure 4-2-3-3 Alternative source of procurement for raw materials, parts, components of Japanese
companies
Figure 4-2-3-4 Alternative source of procurement of Japanese company (inside and outside the
country) by region
Figure 4-2-3-5 The time (estimation) when Japanese company can secure enough procurement
volumes
Figure 4-2-3-6 The impact of this earthquake disaster extended to the whole supply chain
of Japan
Figure 4-3-1-1 Change of number of the foreign nationals entering into Japan after
March 5, 2011
Figure 4-3-1-2 Change of number of the foreign nationals leaving Japan after March 5, 2011 472
Table 4-3-1-3 Status of radiation inspection being implemented in the various overseas
countries/regions (industrial products field) (as at May 26)
Table 4-3-1-4 Status of radiation inspection and regulation in the major countries/regions (vessel,
marine container etc.) (as at May 12)
Figure 4-3-2-1 Change of atmospheric radiation level
Figure 4-3-2-2 "Sample of exporter's written oath " in the form quoting the official Environmental
Radioactivity Level published by Japanese Government (Prepared and published by Tokyo
chamber of commerce and industry)
Figure 4-3-2-3 Speech of Mr. Kaieda, Minister of Economy, Trade and Industry at the IAEA
Ministerial Conference
Table 4-3-2-4 The outcome document of the international conference (Portion related to the
reputation damage through unfounded rumors)
Figure 4-3-2-5 The scenery of the briefing sessions held in overseas with cooperation of diplomatic

mission abroad and JETRO concerning Great East Japan Earthquake and Tokyo Ele	ectric
Fukushima-Daiichi nuclear power plant accident, and a part of the materials	. 490
Figure 4-3-2-6 Radioactivity level map by prefecture which are delivered to the various quarter	rs by
e-mail every day from the government	492
Figure 5-1-1-1 Future policy responses (for the time being, short term and medium-and-long to	erm).
Reference materials in "Policy Promotion Guidance"	500
Figure 5-2-1-1 Movements of economic partnerships in East Asia	503
Table 5-2-1-2 EPA where Japan has already concluded and signed	505
Figure 5-2-1-3 Proportion of FTA/EPA in the trade value of the major country, and major	high
tariff rate items of EU, U.S.A. (as at June, 2011)	505
Figure 5-2-1-4 Liberalization ratios comparison with Japanese EPA and U.S. and others' FTA.	506
Table 5-2-1-5 Basic policy about comprehensive economic cooperation (extraction)	. 509
Figure 5-2-1-6 Policy Promotion Guidance for the sake of revival of Japan (extraction)	. 511
Column Figure 6-1 Export amount to Mexico and local sales share before and after effect o	f the
Japan Mexico EPA	512
Column Figure 6-2 Effect of the Thailand Australia FTA and movement of commercial cars in	nport
to Australia	. 513
Table 6-3 column Composition of chapters in Japan Switzerland EPA, Japan India EPA and J	apan
Peru EPA	514
Figure 5-2-1-7 Conditions of Japanese action tackling with EPA	. 515
Figures 5-2-1-8 Economic effect to Asia by ERIA simulation (2030, base line ratio)	. 520
Figures 5-2-1-9 Economic effect inside Japan by ERIA simulation (according to each prefec	ture,
base line ratio)	. 521
Figures 5-2-1-10 Economic effect to each country by ERIA simulation (according to each cou	ıntry,
base line ratio)	522
Column Figure 7-1 Performance and results of Economic Research Institute for East Asia	and
ASEAN (ERIA)	. 524
Figure 5-2-1-11 Process of TPP Agreement negotiations: progress steadily	. 527
Figure 5-2-2-1 Change of Japanese trade balance and income balance	. 530
Figure 5-2-2 Change of the number of bilateral investment agreement in the world	. 531
Table 5-2-2-3 Conditions of conclusion of Japanese bilateral investment-related agreement	. 532
Table 5-2-2-4 Merit of conclusion of investment agreement	. 534
Table 5-2-2-5 List of counterpart countries and regions of conclusion of tax convention for	
Japan	. 536
Table 5-2-2-6 Process and present conditions after U.SJapan tax convention	. 537
Table 5-2-2-7 Japanese conditions of social security agreement	. 539
Figure 5-2-3-1 Process of negotiations of Doha Round negotiations	543
Figure 5-2-3-2 Recent progress of Doha round negotiations	543
Table 5-2-3-3 Major argument points in negotiations	544
Figure 5-2-3-4 Change of duty reduction according to Switzerland formula coefficient	. 544

Figure 5-2-3-5 Change of cases of anti-dumping by WTO member countries and regions 5	646
Table 5-2-3-6 Top 10 countries and regions of motion and be motioned countries and regions	of
AD measures, and the number of measures (1995 - 2008)	546
Figure 5-2-3-7 The number of cases of negotiation request based on confrontation settlem	ent
process of GATT/WTO5	548
Table 5-2-3-8 Prioritized action items of METI from now on	549
Figure 5-3-1-1 Changes in stock prices before and after the earthquake disaster 5	557
Figure 5-3-2-1 Change of the number of new entry and withdrawal by foreign firms in Japan 5	559
Figure 5-3-2-2 Ratio of balance of domestic direct investment in proportion of GDP in major ea	ach
country (at the end of 2009)	60
Table 5-3-2-3 The most attractive countries and regions in Asian region according to each funct	ion
(2007)	60
Table 5-3-2-4 The most attractive countries and regions in Asian region according to each funct	ion
(2009)	61
Figure 5-3-2-5 Problematic points concerning location environment in Japan from the viewpoint	of
foreign firms	61
Figure 5-3-2-6 Possibility of acceleration of overseas transfer of domestic firms due to	the
Earthquake disaster	62
Figure 5-3-3-1 Summary of "bill for special measures concerning promotion of R&D business a	and
so on by specific international corporation"	63
Supplementary Note Table 1-1 Estimation result of VAR model	66
Supplementary Note Table 2-1 Overview of international trade database, "RIETI-TID 2010" $\dots$ 5 to 5 t	67
Supplementary Note Figure 2-2 Structure of table of trade industry categories	68
Supplementary Note Table 2-3 Table of trade industry categories	69
Supplementary Note Table 2-4 Classification of traded goods by production process 5	570
Supplementary Note Table 2-5 Definition of region of international trade database	571
Supplementary Notes Table 3-1 Structure of Input-Output Table of competitive import ty	ype
("competitive type")	573
Supplementary Notes Table 3-2 Structure of Input-Output Table of non-competitive import ty	ype
("non-competitive type")	573
Supplementary Notes Table 3-4 Data that Supplementary Notes Table 3-1 is processed for	the
purpose of drawing picture	576
Supplementary Notes Table 3-5 Method to draw skyline chart	577
$Supplementary\ Notes\ Table\ 3-6\ Example\ of\ change\ of\ "domestic\ remainder\ ratio"\ by\ imports\ .\ 5-1000000000000000000000000000000000000$	578
Supplementary Notes Table 3-7 Deployment of "domestic remainder ratio" of the "product	ion
process"	578
Supplementary Notes Table 3-8 Deployment of "domestic remainder ratio" of the "whole	
process"	579
Supplementary Notes, Figure 3-9 Example of the numbers of "domestic remainder ratios" a	and
making them seeable	380