

Global Value Chain

- Linden (2009), Xing and Detert (2010) , Dedrick (2010), Linden (2011) have analyzed the value chain of producing iPod and iPhone :

Country	Components	Manufacturers	Costs
Chinese Taipei	Touch screen, camera	Largan Precision, Wintek	\$ 20.75
Germany	Baseband, power management, transceiver	Dialog, Infineon	\$ 16.08
Korea	Applications processor, display, DRAM memory	LG, Samsung	\$ 80.05
United States	Audio codec, connectivity, GPS, memory, touchscreen controller	Broadcom, Cirrus Logic, Intel, Skyworks, Texas Instruments, TriQuint	\$ 22.88
Other	Other	Misc.	\$ 47.75
Total			\$ 187.51

Source: Xing and Detert (2010)



Global Value Chain

Betting on Displays

Apple supplier Foxconn is in talks to make smartphone screens, the most expensive parts in iPhones.

Apple iPhone 6

COST OF SELECTED PARTS

Display	\$45
Memory	15
Communications	37.50
Cameras	11
Processor	20
Mechanical	30
Other	37.60
TOTAL PARTS	\$196.10

Labor 4

TOTAL \$200.10

U.S. RETAIL PRICE \$649

Sources: IHS iSuppli (price), Apple (photo)
The Wall Street Journal



Apple iPhone 6 Plus

COST OF SELECTED PARTS

Display	\$52.50
Memory	15
Communications	37.50
Cameras	12.50
Processor	20
Mechanical	35
Other	38.60
TOTAL PARTS	\$211.10

Labor 4.50

TOTAL \$215.60

U.S. RETAIL PRICE \$749

Note: Both price breakdowns are based on the 16 GB Sprint model without contract



World Input-Output Database

List of Countries / Regions

European Union			North America	Latin America	Asia and Pacific
Austria	Germany	Netherlands	Canada	Brazil	China
Belgium	Greece	Poland	United States	Mexico	India
Bulgaria	Hungary	Portugal			Japan
Cyprus	Ireland	Romania			South Korea
Czech Republic	Italy	Slovak Republic			Australia
Denmark	Latvia	Slovenia			Taiwan
Estonia	Lithuania	Spain			Turkey
Finland	Luxembourg	Sweden			Indonesia
France	Malta	United Kingdom			Russia

World Input-Output Database

List of Commodities

1	Agriculture, Hunting, Forestry, and Fishing
2	Mining and Quarrying
3	Food, Beverages and Tobacco
4	Textiles and textile
5	Leather, leather and footwear
6	Wood and Products of Wood and Cork
7	Pulp, Paper, Paper, Printing and Publishing
8	Coke, refined petroleum and nuclear fuel
9	Chemicals and chemical
10	Rubber and plastics
11	Other Non-metallic Mineral
12	Basic Metals and Fabricated Metal
13	Machinery, NEC
14	Electrical and Optical Equipment
15	Transport Equipment
16	Manufacturing NEC; Recycling
17	Electricity, Gas and Water Supply

18	Construction
19	Sale, maintenance and repair of motor vehicles and motorcycles; retail sale of fuel
20	Wholesale trade and commission trade, except of motor vehicles and motorcycles
21	Retail trade, except of motor vehicles and motorcycles; repair of household goods
22	Hotels and Restaurants
23	Other Inland transport
24	Other Water transport
25	Other Air transport
26	Other Supporting and auxiliary transport activities; activities of travel agencies
27	Post and Telecommunications
28	Financial Intermediation
29	Real estate activities
30	Renting of m&eq and other business activities
31	Public Admin. and Defence; Compulsory Social Security
32	Education
33	Health and Social Work
34	Other Community, Social and Personal Services
35	Private Households with Employed Persons

World Input-Output Database

Single-Country Format

	Industry	Final use		Total
Industry	Intermediate use	Domestic Final use	Exports	Total Output
	Imports			
	Value added			
	Total Output			

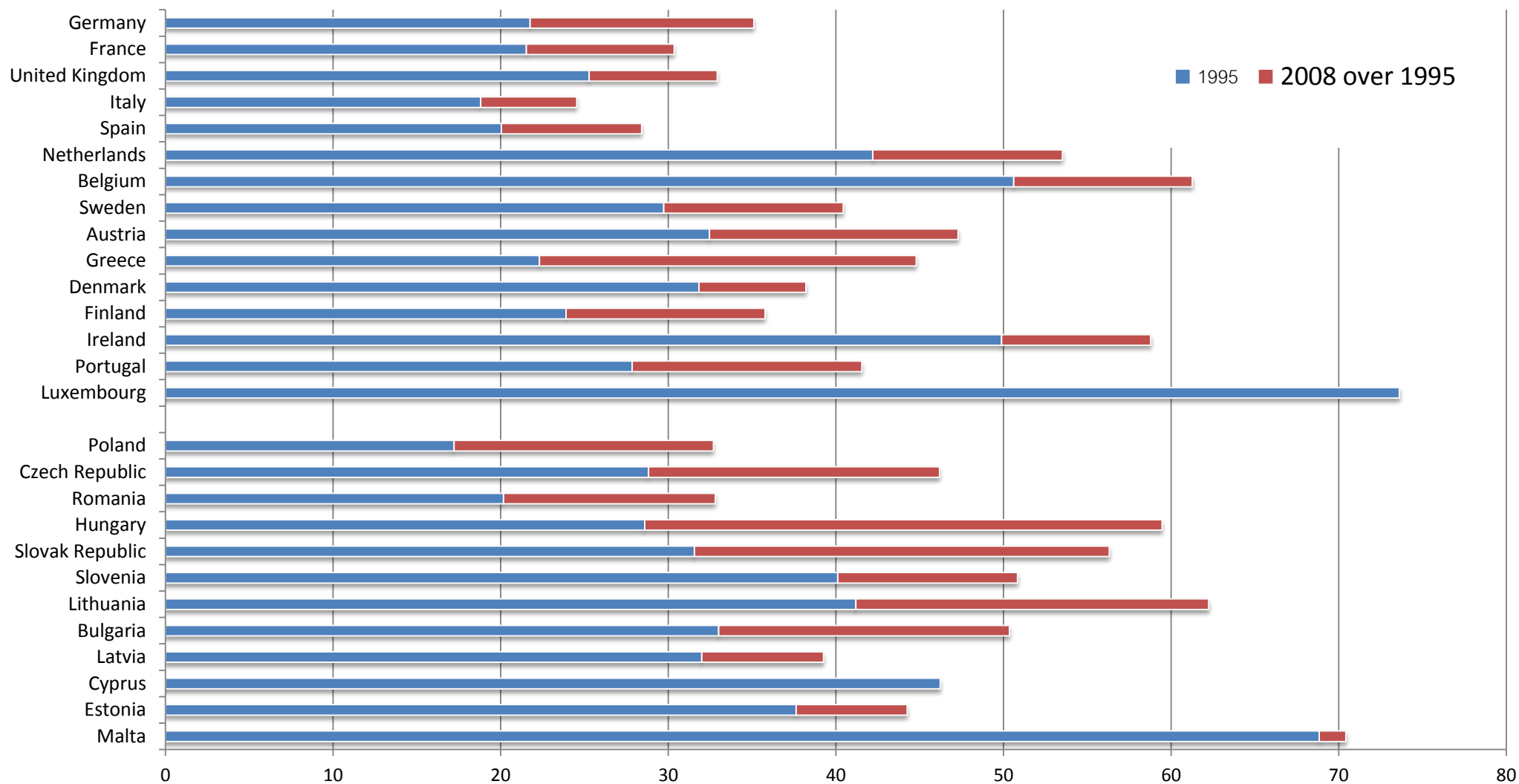


World Input-Output Database

Multi-Country Format

		Country A	Country B	Rest of World	Country A	Country B	Rest of World	
		Intermediate	Intermediate	Intermediate	Final	Final	Final	Total
		<i>Industry</i>	<i>Industry</i>	<i>Industry</i>	domestic	domestic	domestic	
Country A	<i>Industry</i>	Intermediate use of domestic output	Intermediate use by B of exports from A	Intermediate use by RoW of exports from A	Final use of domestic output	Final use by B of exports from A	Final use by RoW of exports from A	Output in A
Country B	<i>Industry</i>	Intermediate use by A of exports from B	Intermediate use of domestic output	Intermediate use by RoW of exports from B	Final use by A of exports from B	Final use of domestic output	Final use by RoW of exports from B	Output in B
Rest of World (RoW)	<i>Industry</i>	Intermediate use by A of exports from RoW	Intermediate use by B of exports from RoW	Intermediate use of domestic output	Final use by A of exports from RoW	Final use by B of exports from RoW	Final use of domestic output	Output in RoW
		Value added	Value added	Value added				
		Output in A	Output in B	Output in RoW				

Proportion of Imported Intermediate Inputs

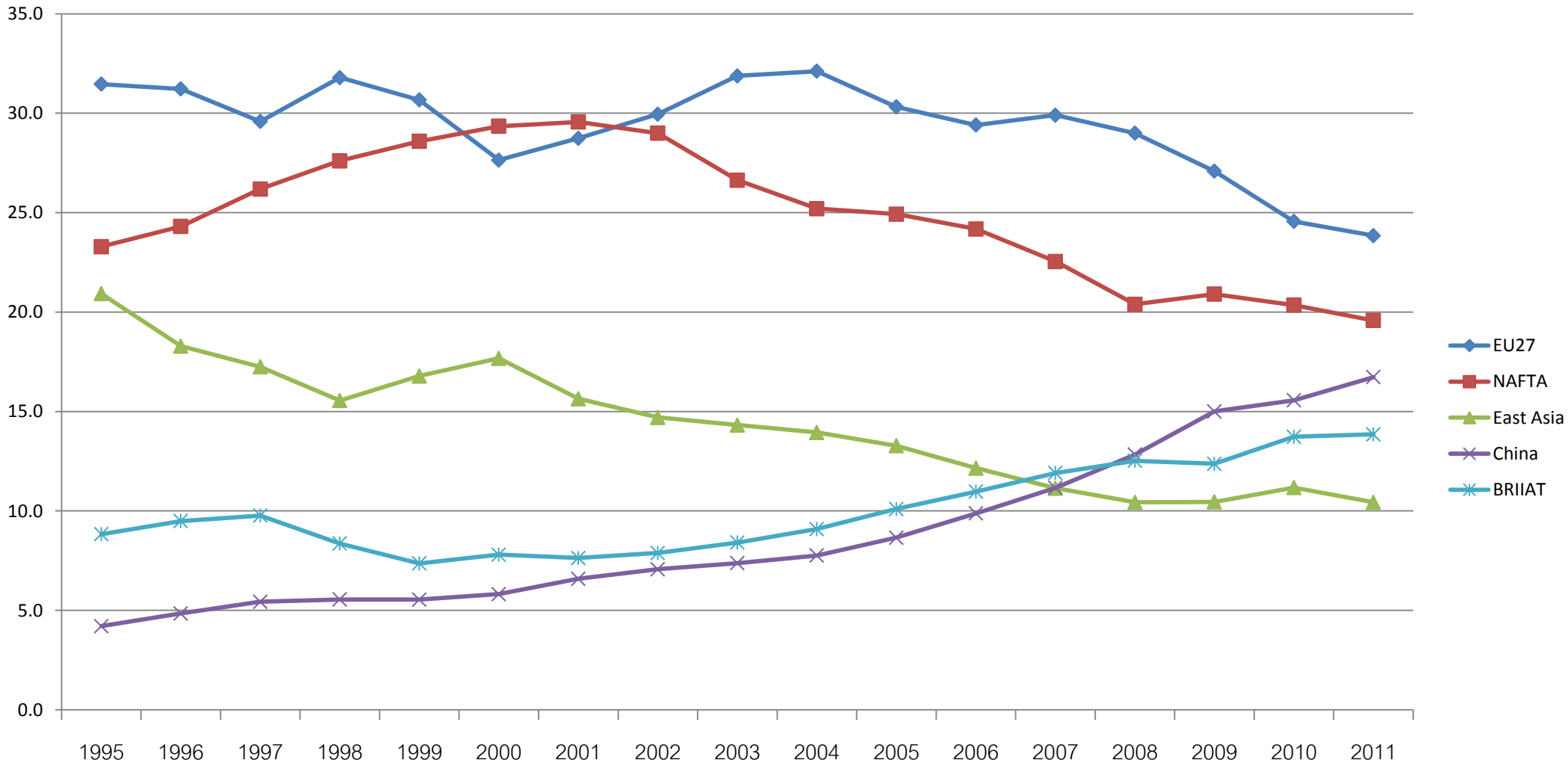


% as of total costs of production

Source : Timmer (2014)

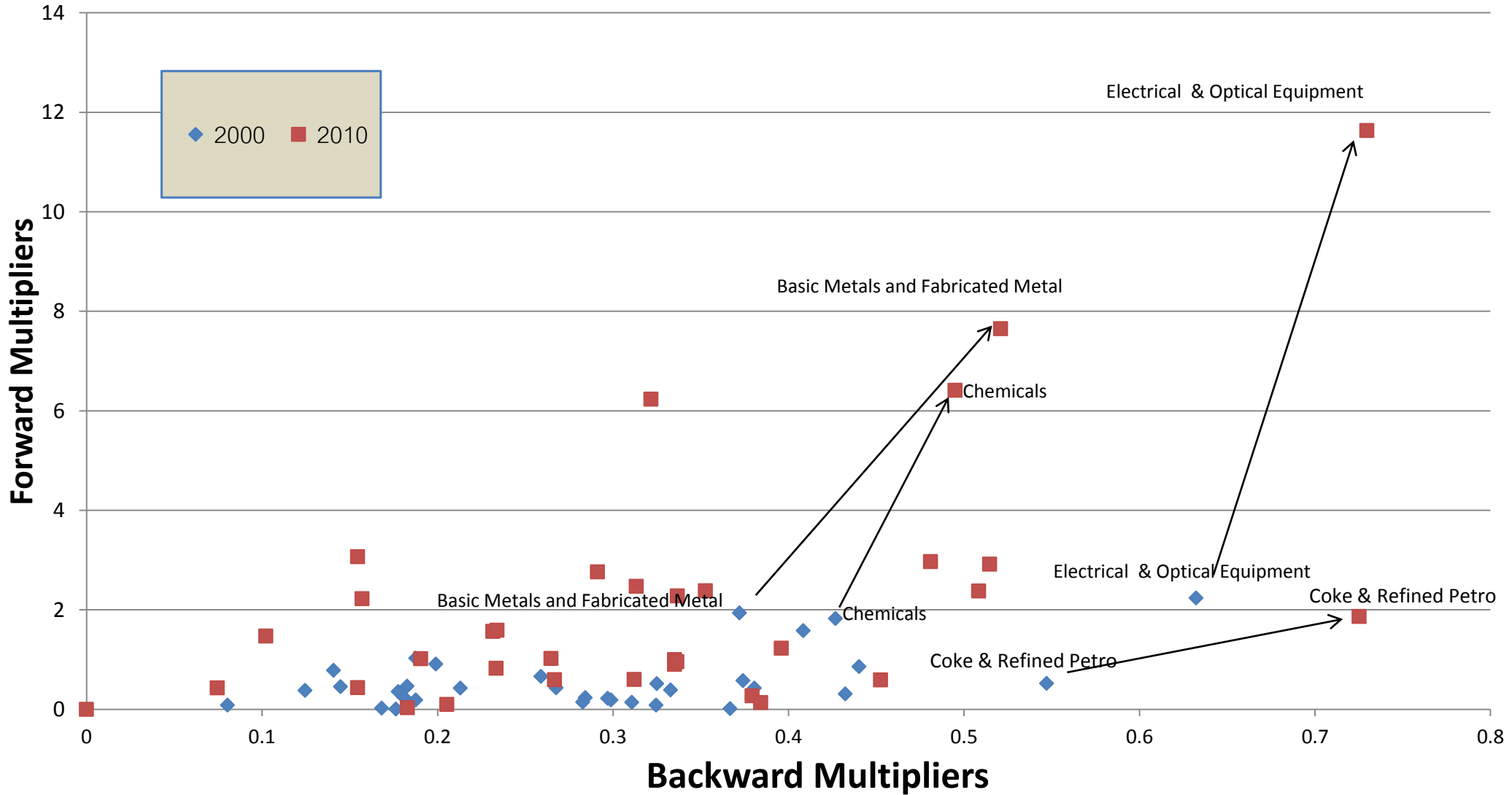
World Input-Output Database

% Share of Global Value Chain



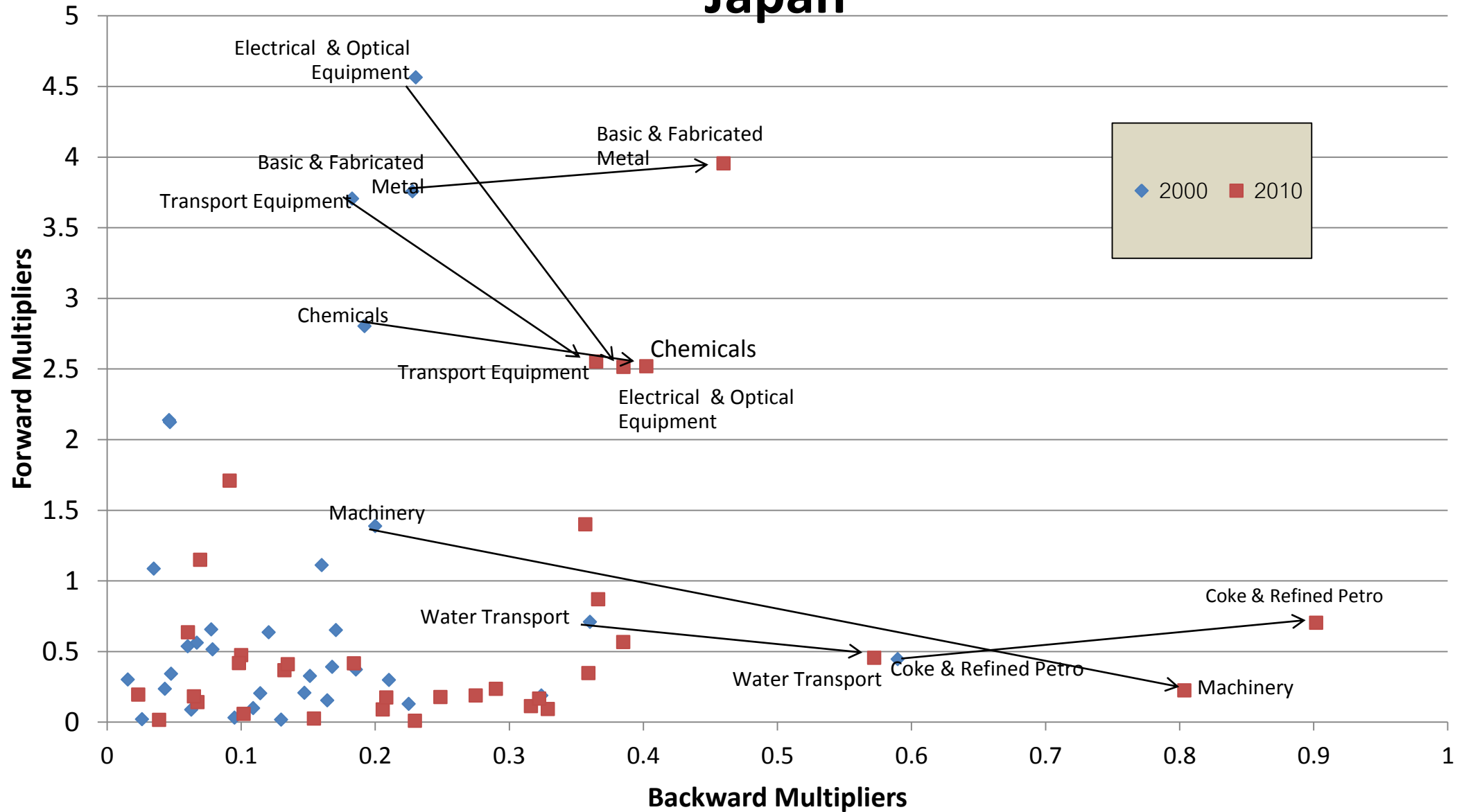
Global Multipliers : 2000 vs. 2010

China



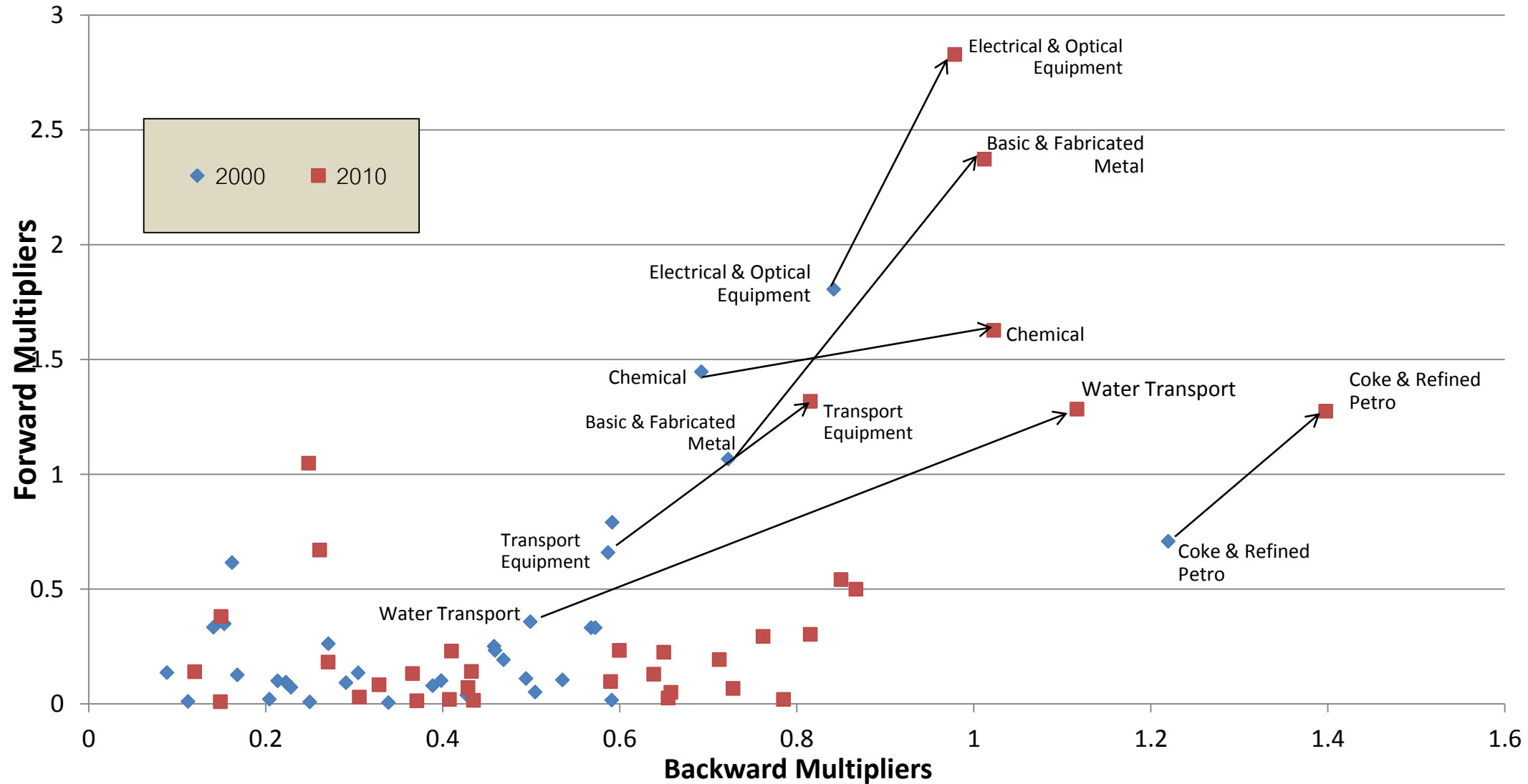
Global Multipliers : 2000 vs 2010

Japan



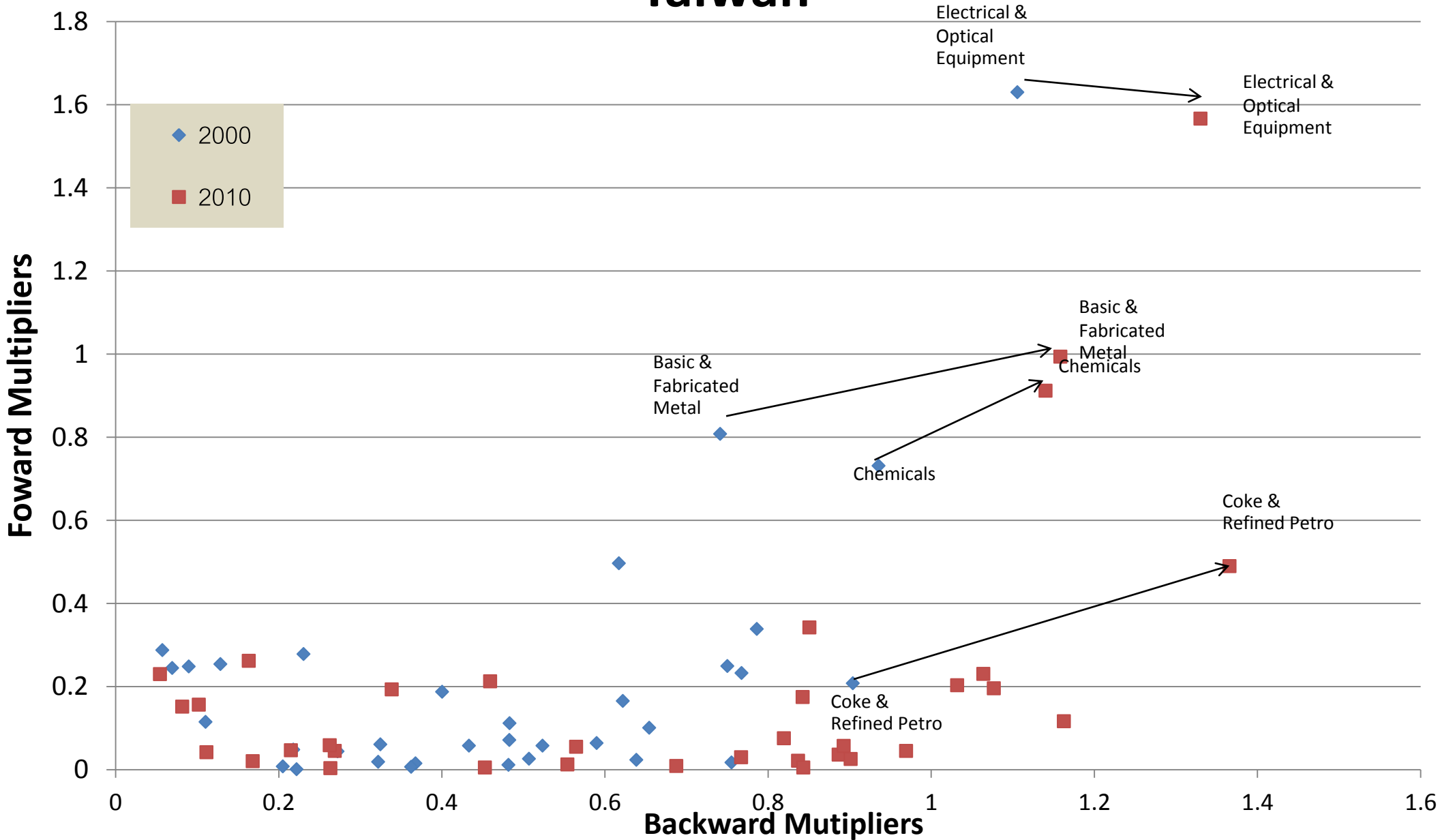
Global Multipliers : 2000 vs. 2010

South Korea



Global Multipliers : 2000 vs 2010

Taiwan



Global Multipliers : 2000 vs 2010

USA

