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Detailed Table 6.1
World exports by level of skill and technology intensity – developed countries (DCs)
and less developed countries (LDCs), 1989 & 2006

Level of skill & technology intensity	Share of world exports (in %)	
	1989	2006
Primary commodities		
DCs	15.9	12.7
LDCs	26.5	15.9
Labor-intensive & resource-based		
DCs	12.2	10.3
LDCs	27.4	17.2
Low skill & technology intensity		
DCs	8.0	8.1
LDCs	8.1	8.0
Medium skill & technology intensity		
DCs	33.2	34.1
LDCs	14.9	19.0
High skill & technology intensity		
DCs	27.6	32.2
LDCs	20.9	37.7
Unclassified		
DCs	3.1	2.6
LDCs	2.2	2.1

Source: Rodrigues (2008), based on Commodity Trade Statistics Database (UN COMTRADE).

Detailed Table 6.2
Export values and breakdown by level of technology content – Brazil & selected countries, 2002-2005

Export values & breakdown by technology content								
Level of technology content & country of origin	2002		2003		2004		2005	
	US\$ billion	%	US\$ billion	%	US\$ billion	%	US\$ billion	%
Germany	589.4	100.0	744.8	100.0	912.5	100.0	977.0	100.0
High technology	229.7	39.0	279.4	37.5	359.2	39.4	374.5	38.3
Medium technology	349.1	59.2	451.6	60.6	525.1	57.5	578.3	59.2
Low technology	10.6	1.8	13.8	1.9	28.2	3.1	24.2	2.5
USA	690.9	100.0	721.0	100.0	815.0	100.0	904.4	100.0
High technology	334.8	48.5	340.5	47.2	383.5	47.1	418.3	46.3
Medium technology	335.3	48.5	356.4	49.4	399.7	49.0	443.0	49.0
Low technology	20.8	3.0	24.1	3.3	31.8	3.9	43.1	4.8
China	325.6	100.0	438.2	100.0	593.3	100.0	761.9	100.0
High technology	102.3	31.4	154.8	35.3	225.4	38.0	296.7	38.9
Medium technology	212.8	65.4	269.7	61.5	350.1	59.0	443.2	58.2
Low technology	10.5	3.2	13.7	3.1	17.8	3.0	22.0	2.9
Japan	416.6	100.0	471.9	100.0	565.6	100.0	594.8	100.0
High technology	186.3	44.7	215.0	45.6	262.5	46.4	267.3	44.9
Medium technology	227.8	54.7	254.1	53.8	299.1	52.9	321.2	54.0
Low technology	2.5	0.6	2.8	0.6	4.0	0.7	6.3	1.1
France	298.6	100.0	350.7	100.0	402.3	100.0	426.2	100.0
High technology	115.7	38.7	132.1	37.7	151.6	37.7	161.9	38.0
Medium technology	174.3	58.4	207.8	59.3	237.1	58.9	244.5	57.4
Low technology	8.6	2.9	10.8	3.1	13.6	3.4	19.8	4.6
U.K.	274.5	100.0	291.2	100.0	329.9	100.0	384.3	100.0
High technology	127.7	46.5	123.3	42.3	133.3	40.4	152.4	39.7
Medium technology	116.6	42.5	133.6	45.9	156.2	47.3	184.9	48.1
Low technology	30.2	11.0	34.3	11.8	40.4	12.2	47.0	12.2
Canada	252.5	100.0	271.9	100.0	316.4	100.0	360.0	100.0
High technology	45.3	17.9	47.4	17.4	53.5	16.9	60.7	16.9
Medium technology	171.7	68.0	176.2	64.8	204.4	64.6	219.3	60.9
Low technology	35.5	14.1	48.3	17.8	58.5	18.5	80.0	22.2

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Detailed Table 6.2 (continued)
Export values and breakdown by level of technology content – Brazil & selected countries, 2002-2005

Export values & breakdown by technology content								
Level of technology content & country of origin	2002		2003		2004		2005	
	US\$ billion	%	US\$ billion	%	US\$ billion	%	US\$ billion	%
Canada	252.5	100.0	271.9	100.0	316.4	100.0	360.0	100.0
High technology	45.3	17.9	47.4	17.4	53.5	16.9	60.7	16.9
Medium technology	171.7	68.0	176.2	64.8	204.4	64.6	219.3	60.9
Low technology	35.5	14.1	48.3	17.8	58.5	18.5	80.0	22.2
Italy	254.4	100.0	299.5	100.0	347.8	100.0	358.8	100.0
High technology	83.2	32.7	96.1	32.1	114.7	33.0	120.9	33.7
Medium technology	166.0	65.3	196.1	65.5	223.7	64.3	223.9	62.4
Low technology	5.2	2.0	7.3	2.4	9.4	2.7	14.0	3.9
South Korea	162.3	100.0	193.7	100.0	253.7	100.0	284.3	100.0
High technology	66.6	41.0	81.3	42.0	107.7	42.5	119.1	41.9
Medium technology	89.0	54.8	105.3	54.4	135.2	53.3	149.2	52.5
Low technology	6.7	4.1	7.1	3.7	10.8	4.3	16.0	5.6
Mexico	160.5	100.0	164.8	100.0	187.9	100.0	214.0	100.0
High technology	58.3	36.3	58.5	35.5	66.3	35.3	71.3	33.3
Medium technology	87.5	54.5	87.3	53.0	97.4	51.8	109.6	51.2
Low technology	14.7	9.2	19.0	11.5	24.2	12.9	33.1	15.5
Spain	125.8	100.0	158.0	100.0	182.6	100.0	192.6	100.0
High technology	25.7	20.4	32.0	20.3	36.5	20.0	40.2	20.9
Medium technology	95.8	76.2	120.0	75.9	138.0	75.6	142.6	74.0
Low technology	4.3	3.4	6.0	3.8	8.1	4.4	9.8	5.1
Brazil	60.3	100.0	72.9	100.0	94.8	100.0	116.0	100.0
High technology	10.8	17.9	11.4	15.6	15.1	15.9	19.6	16.9
Medium technology	42.7	70.8	53.2	73.0	69.0	72.8	80.0	69.0
Low technology	6.8	11.3	8.3	11.4	10.7	11.3	16.4	14.1
India	52.2	100.0	62.9	100.0	79.6	100.0	103.2	100.0
High technology	5.6	10.7	7.1	11.3	8.2	10.3	11.1	10.8
Medium technology	34.7	66.5	41.8	66.5	49.6	62.3	62.7	60.8
Low technology	11.9	22.8	14.0	22.3	21.8	27.4	29.4	28.5

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Detailed Table 6.2 (continued)
Export values and breakdown by level of technology content – Brazil & selected countries, 2002-2005

Export values & breakdown by technology content								
Level of technology content & country of origin	2002		2003		2004		2005	
	US\$ billion	%	US\$ billion	%	US\$ billion	%	US\$ billion	%
Poland	40.1	100.0	53.4	100.0	73.6	100.0	89.2	100.0
High technology	8.1	20.2	11.2	21.0	15.4	20.9	18.1	20.3
Medium technology	29.8	74.3	39.8	74.5	54.0	73.4	66.3	74.3
Low technology	2.2	5.5	2.4	4.5	4.2	5.7	4.8	5.4
Indonesia	57.0	100.0	60.9	100.0	64.3	100.0	85.5	100.0
High technology	7.3	12.8	7.9	13.0	9.3	14.5	10.8	12.6
Medium technology	33.8	59.3	35.0	57.5	40.8	63.5	46.4	54.3
Low technology	15.9	27.9	18.0	29.6	14.2	22.1	28.3	33.1
Argentina	25.5	100.0	29.7	100.0	34.2	100.0	39.9	100.0
High technology	1.7	6.7	1.7	5.7	2.0	5.8	2.4	6.0
Medium technology	18.9	74.1	22.4	75.4	25.7	75.1	30.1	75.4
Low technology	4.9	19.2	5.6	18.9	6.5	19.0	7.4	18.5

Source: ITC, PC-TAS 2001-2005.

Detailed Table 6.3
Import values and breakdown by level of technology content – Brazil & selected countries, 2002-2005

Level of technology content & country of origin	Import values & breakdown by technology content							
	2002		2003		2004		2005	
	US\$ billion	%	US\$ billion	%	US\$ billion	%	US\$ billion	%
Germany	471.7	100.0	601.8	100.0	724.5	100.0	776.8	100.0
High technology	159.7	33.9	189.3	31.5	237.3	32.8	243.6	31.4
Medium technology	267.6	56.7	355.6	59.1	405.5	56.0	438.3	56.4
Low technology	44.4	9.4	56.9	9.5	81.7	11.3	94.9	12.2
USA	1,202.0	100.0	1,305.0	100.0	1,526.0	100.0	1,732.0	100.0
High technology	352.0	29.3	373.0	28.6	432.0	28.3	476.0	27.5
Medium technology	711.0	59.2	751.0	57.5	857.0	56.2	935.0	54.0
Low technology	139.0	11.6	181.0	13.9	237.0	15.5	321.0	18.5
China	295.1	100.0	412.7	100.0	561.2	100.0	659.9	100.0
High technology	141.4	47.9	202.1	49.0	272.2	48.5	320.1	48.5
Medium technology	127.2	43.1	169.9	41.2	217.6	38.8	241.9	36.7
Low technology	26.5	9.0	40.7	9.9	71.4	12.7	97.9	14.8
Japan	337.5	100.0	383.4	100.0	455.3	100.0	515.8	100.0
High technology	93.8	27.8	106.1	27.7	124.6	27.4	134.0	26.0
Medium technology	168.2	49.8	184.9	48.2	216.4	47.5	229.6	44.5
Low technology	75.5	22.4	92.4	24.1	114.3	25.1	152.2	29.5
France	303.7	100.0	362.4	100.0	430.9	100.0	475.9	100.0
High technology	95.3	31.4	110.6	30.5	129.8	30.1	139.7	29.4
Medium technology	178.3	58.7	214.5	59.2	251.6	58.4	268.9	56.5
Low technology	30.1	9.9	37.3	10.3	49.5	11.5	67.3	14.1
U.K.	337.0	100.0	379.0	100.0	453.4	100.0	515.8	100.0
High technology	117.4	34.8	117.5	31.0	138.8	30.6	146.1	28.3
Medium technology	196.6	58.3	233.7	61.7	273.2	60.3	313.5	60.8
Low technology	23.0	6.8	27.8	7.3	41.4	9.1	56.2	10.9
Canada	222.3	100.0	240.2	100.0	273.7	100.0	314.4	100.0
High technology	75.2	33.8	78.9	32.8	88.8	32.4	100.1	31.8
Medium technology	133.4	60.0	143.2	59.6	161.9	59.2	181.2	57.6
Low technology	13.7	6.2	18.1	7.5	23.0	8.4	33.1	10.5

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Detailed Table 6.3 (continued)
Import values and breakdown by level of technology content – Brazil & selected countries, 2002-2005

Level of technology content & country of origin	Import values & breakdown by technology content							
	2002		2003		2004		2005	
	US\$ billion	%	US\$ billion	%	US\$ billion	%	US\$ billion	%
Italy	246.8	100.0	297.5	100.0	348.1	100.0	357.7	100.0
High technology	65.3	26.5	74.5	25.0	88.3	25.4	90.2	25.2
Medium technology	156.9	63.6	193.4	65.0	222.4	63.9	217.8	60.9
Low technology	24.6	10.0	29.6	9.9	37.4	10.7	49.7	13.9
South Korea	152.1	100.0	178.8	100.0	224.3	100.0	261.2	100.0
High technology	56.6	37.2	66.3	37.1	79.5	35.4	89.0	34.1
Medium technology	60.0	39.4	70.3	39.3	89.8	40.0	98.1	37.6
Low technology	35.5	23.3	42.2	23.6	55.0	24.5	74.1	28.4
Mexico	168.5	100.0	170.4	100.0	196.7	100.0	221.8	100.0
High technology	70.1	41.6	70.2	41.2	82.6	42.0	90.8	40.9
Medium technology	93.0	55.2	93.5	54.9	105.2	53.5	117.2	52.8
Low technology	5.4	3.2	6.7	3.9	8.9	4.5	13.8	6.2
Spain	165.9	100.0	210.9	100.0	259.2	100.0	289.5	100.0
High technology	43.9	26.5	55.5	26.3	67.3	26.0	72.6	25.1
Medium technology	102.2	61.6	131.6	62.4	160.4	61.9	172.7	59.7
Low technology	19.8	11.9	23.8	11.3	31.5	12.2	44.2	15.3
Brazil	49.6	100.0	50.8	100.0	65.2	100.0	76.3	100.0
High technology	20.4	41.1	19.7	38.8	24.0	36.8	29.0	38.0
Medium technology	21.1	42.5	22.4	44.1	27.7	42.5	31.7	41.5
Low technology	8.1	16.3	8.7	17.1	13.5	20.7	15.6	20.4
India	61.0	100.0	77.0	100.0	108.2	100.0	149.7	100.0
High technology	12.5	20.5	16.4	21.3	21.5	19.9	33.7	22.5
Medium technology	21.9	35.9	30.2	39.2	41.6	38.4	53.8	35.9
Low technology	26.6	43.6	30.4	39.5	45.1	41.7	62.2	41.5
Poland	55.0	100.0	67.9	100.0	88.1	100.0	101.4	100.0
High technology	17.5	31.8	20.8	30.6	27.2	30.9	30.0	29.6
Medium technology	31.9	58.0	40.2	59.2	51.6	58.6	58.9	58.1
Low technology	5.6	10.2	6.9	10.2	9.3	10.6	12.5	12.3

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Detailed Table 6.3 (continued)
Import values and breakdown by level of technology content – Brazil & selected countries, 2002-2005

Level of technology content & country of origin	Import values & breakdown by technology content							
	2002		2003		2004		2005	
	US\$ billion	%	US\$ billion	%	US\$ billion	%	US\$ billion	%
Indonesia	31.1	100.0	32.4	100.0	42.9	100.0	57.6	100.0
High technology	7.4	23.8	7.2	22.2	10.8	25.2	13.3	23.1
Medium technology	16.6	53.4	17.0	52.5	23.1	53.8	25.9	45.0
Low technology	7.1	22.8	8.2	25.3	9.0	21.0	18.4	31.9
Argentina	8.7	100.0	13.7	100.0	23.1	100.0	28.6	100.0
High technology	3.0	34.5	4.6	33.6	9.0	39.0	10.3	36.0
Medium technology	5.0	57.5	8.2	59.9	12.7	55.0	16.2	56.6
Low technology	0.7	8.0	0.9	6.6	1.4	6.1	2.1	7.3

Source: ITC, PC-TAS 2001-2005.

Detailed Table 6.4
Trade patterns by Commodity Trade Pattern (CTP) product category – Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

CTP product category	Exports				Imports				Balance	
	2003		2007		2003		2007		2003	2007
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	US\$ million
Brazil	73,083	100.0	160,340	100.0	48,258	100.0	120,540	100.0	24,825	39,800
Primary agricultural goods	11,988	16.4	25,930	16.2	2,644	5.5	3,947	3.3	9,344	21,983
Primary mineral goods	4,494	6.1	14,279	8.9	561	1.2	2,041	1.7	3,933	12,238
Primary energy goods	2,149	2.9	8,931	5.6	5,473	11.3	15,921	13.2	-3,324	-6,990
Agrifood industry	9,055	12.4	15,143	9.4	1,162	2.4	2,425	2.0	7,893	12,718
Industry intensive in other agricultural resources	5,201	7.1	9,888	6.2	612	1.3	1,447	1.2	4,589	8,441
Mineral-intensive industry	4,359	6.0	11,080	6.9	6,434	13.3	16,228	13.5	-2,075	-5,148
Energy-intensive industry	1,649	2.3	4,373	2.7	2,012	4.2	6,474	5.4	-363	-2,101
Labor-intensive industry	8,248	11.3	14,860	9.3	3,757	7.8	10,009	8.3	4,491	4,851
Scale-intensive industry	14,446	19.8	31,162	19.4	6,592	13.7	18,933	15.7	7,854	12,229
Specialist suppliers	6,366	8.7	14,072	8.8	10,137	21.0	22,226	18.4	-3,771	-8,154
R&D-intensive industry	5,128	7.0	10,622	6.6	8,874	18.4	20,889	17.3	-3,746	-10,267
São Paulo State	23,074	100.0	51,712	100.0	20,310	100.0	48,404	100.0	2,764	3,308
Primary agricultural goods	1,329	5.8	2,719	5.3	870	4.3	1,305	2.7	459	1,414
Primary mineral goods	8	0.0	29	0.1	151	0.7	246	0.5	-143	-217
Primary energy goods	0	0.0	395	0.8	1,489	7.3	5,258	10.9	-1,489	-4,863
Agrifood industry	2,497	10.8	4,400	8.5	407	2.0	852	1.8	2,090	3,548
Industry intensive in other agricultural resources	2,178	9.4	4,920	9.5	334	1.6	811	1.7	1,844	4,109
Mineral-intensive industry	1,173	5.1	3,615	7.0	2,787	13.7	5,252	10.9	-1,614	-1,637
Energy-intensive industry	623	2.7	1,819	3.5	360	1.8	1,232	2.5	263	587

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Detailed Table 6.4 (continued)
Trade patterns by Commodity Trade Pattern (CTP) product category – Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

CTP product category	Exports				Imports				Balance	
	2003		2007		2003		2007		2003	2007
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	US\$ million
Labor-intensive industry	2,200	9.5	5,007	9.7	1,825	9.0	4,468	9.2	375	539
Scale-intensive industry	5,916	25.6	12,213	23.6	2,815	13.9	7,095	14.7	3,101	5,118
Specialist suppliers	3,425	14.8	8,058	15.6	4,578	22.5	10,669	22.0	-1,153	-2,611
R&D-intensive industry	3,725	16.1	8,537	16.5	4,694	23.1	11,216	23.2	-969	-2,679
Brazil excluding São Paulo State	50,009	100.0	108,628	100.0	27,948	100.0	72,136	100.0	22,061	36,492
Primary agricultural goods	10,659	21.3	23,211	21.4	1,774	6.3	2,642	3.7	8,885	20,569
Primary mineral goods	4,486	9.0	14,250	13.1	410	1.5	1,795	2.5	4,076	12,455
Primary energy goods	2,149	4.3	8,536	7.9	3,984	14.3	10,663	14.8	-1,835	-2,127
Agrifood industry	6,558	13.1	10,743	9.9	755	2.7	1,573	2.2	5,803	9,170
Industry intensive in other agricultural resources	3,023	6.0	4,968	4.6	278	1.0	636	0.9	2,745	4,332
Mineral-intensive industry	3,186	6.4	7,465	6.9	3,647	13.0	10,976	15.2	-461	-3,511
Energy-intensive industry	1,026	2.1	2,554	2.4	1,652	5.9	5,242	7.3	-626	-2,688
Labor-intensive industry	6,048	12.1	9,853	9.1	1,932	6.9	5,541	7.7	4,116	4,312
Scale-intensive industry	8,530	17.1	18,949	17.4	3,777	13.5	11,838	16.4	4,753	7,111
Specialist suppliers	2,941	5.9	6,014	5.5	5,559	19.9	11,557	16.0	-2,618	-5,543
R&D-intensive industry	1,403	2.8	2,085	1.9	4,180	15.0	9,673	13.4	-2,777	-7,588

Source: MDIC, SECEX.

Detailed Table 6.5
Exports by Commodity Trade Pattern (CTP) product category - Brazil, São Paulo State & Brazil excluding São Paulo, 2003-2007

CTP product category	Exports									
	2003		2004		2005		2006		2007	
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%
Brazil	73,083	100.0	96,476	100.0	118,312	100.0	137,605	100.0	160,340	100.0
Primary agricultural goods	11,988	16.4	16,386	17.0	18,608	15.7	19,985	14.5	25,930	16.2
Primary mineral goods	4,494	6.1	6,289	6.5	9,265	7.8	11,673	8.5	14,279	8.9
Primary energy goods	2,149	2.9	2,544	2.6	4,221	3.6	6,910	5.0	8,931	5.6
Agrifood industry	9,055	12.4	11,443	11.9	11,533	9.7	11,792	8.6	15,143	9.4
Industry intensive in other agricultural resources	5,201	7.1	5,766	6.0	7,520	6.4	10,280	7.5	9,888	6.2
Mineral-intensive industry	4,359	6.0	5,801	6.0	6,933	5.9	9,813	7.1	11,080	6.9
Energy-intensive industry	1,649	2.3	1,880	1.9	2,886	2.4	3,665	2.7	4,373	2.7
Labor-intensive industry	8,248	11.3	10,093	10.5	11,798	10.0	13,449	9.8	14,860	9.3
Scale-intensive industry	14,446	19.8	21,047	21.8	25,873	21.9	27,591	20.1	31,162	19.4
Specialist suppliers	6,366	8.7	8,614	8.9	11,156	9.4	12,995	9.4	14,072	8.8
R&D-intensive industry	5,128	7.0	6,613	6.9	8,519	7.2	9,432	6.9	10,622	6.6
São Paulo State	23,074	100.0	31,039	100.0	38,009	100.0	46,122	100.0	51,712	100.0
Primary agricultural goods	1,329	5.8	2,334	7.5	2,389	6.3	2,330	5.1	2,719	5.3
Primary mineral goods	8	0.0	25	0.1	22	0.1	33	0.1	29	0.1
Primary energy goods	0	0.0	0	0.0	141	0.4	182	0.4	395	0.8
Agrifood industry	2,497	10.8	2,747	8.9	2,883	7.6	3,298	7.2	4,400	8.5
Industry intensive in other agricultural resources	2,178	9.4	2,633	8.5	3,778	9.9	5,527	12.0	4,920	9.5
Mineral-intensive industry	1,173	5.1	1,814	5.8	2,167	5.7	3,301	7.2	3,615	7.0
Energy-intensive industry	623	2.7	688	2.2	947	2.5	1,337	2.9	1,819	3.5

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Detailed Table 6.5 (continued)
Exports by Commodity Trade Pattern (CTP) product category – Brazil, São Paulo State & Brazil excluding São Paulo, 2003-2007

CTP product category	2003		2004		2005		2006		2007	
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%
Labor-intensive industry	2,200	9.5	2,792	9.0	3,324	8.7	4,234	9.2	5,007	9.7
Scale-intensive industry	5,916	25.6	8,085	26.0	10,057	26.5	11,354	24.6	12,213	23.6
Specialist suppliers	3,425	14.8	4,705	15.2	6,332	16.7	7,407	16.1	8,058	15.6
R&D-intensive industry	3,725	16.1	5,216	16.8	5,969	15.7	7,119	15.4	8,537	16.5
Brazil excluding São Paulo State	50,009	100.0	65,437	100.0	80,303	100.0	91,483	100.0	108,628	100.0
Primary agricultural goods	10,659	21.3	14,052	21.5	16,219	20.2	17,655	19.3	23,211	21.4
Primary mineral goods	4,486	9.0	6,264	9.6	9,243	11.5	11,640	12.7	14,250	13.1
Primary energy goods	2,149	4.3	2,544	3.9	4,080	5.1	6,728	7.4	8,536	7.9
Agrifood industry	6,558	13.1	8,696	13.3	8,650	10.8	8,494	9.3	10,743	9.9
Industry intensive in other agricultural resources	3,023	6.0	3,133	4.8	3,742	4.7	4,753	5.2	4,968	4.6
Mineral-intensive industry	3,186	6.4	3,987	6.1	4,766	5.9	6,512	7.1	7,465	6.9
Energy-intensive industry	1,026	2.1	1,192	1.8	1,939	2.4	2,348	2.6	2,554	2.4
Labor-intensive industry	6,048	12.1	7,301	11.2	8,474	10.6	9,215	10.1	9,853	9.1
Scale-intensive industry	8,530	17.1	12,962	19.8	15,816	19.7	16,237	17.7	18,949	17.4
Specialist suppliers	2,941	5.9	3,909	6.0	4,824	6.0	5,588	6.1	6,014	5.5
R&D-intensive industry	1,403	2.8	1,397	2.1	2,550	3.2	2,313	2.5	2,085	1.9

Source: MDIC, SECEX.

Detailed Table 6.6
Imports by Commodity Trade Pattern (CTP) product category - Brazil, São Paulo State & Brazil excluding São Paulo, 2003-2007

CTP product category	Imports											
	2003		2004		2005		2006		2007			
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%
Brazil	48,258	100.0	62,837	100.0	73,601	100.0	91,322	100.0	120,540	100.0	120,540	100.0
Primary agricultural goods	2,644	5.5	2,261	3.6	2,268	3.1	2,912	3.2	3,947	3.3	3,947	3.3
Primary mineral goods	561	1.2	1,025	1.6	1,112	1.5	1,797	2.0	2,041	1.7	2,041	1.7
Primary energy goods	5,473	11.3	9,180	14.6	10,378	14.1	12,583	13.8	15,921	13.2	15,921	13.2
Agrifood industry	1,162	2.4	1,323	2.1	1,393	1.9	1,853	2.0	2,425	2.0	2,425	2.0
Industry intensive in other agricultural resources	612	1.3	826	1.3	957	1.3	1,224	1.3	1,447	1.2	1,447	1.2
Mineral-intensive industry	6,434	13.3	8,863	14.1	9,384	12.7	11,119	12.2	16,228	13.5	16,228	13.5
Energy-intensive industry	2,012	4.2	2,323	3.7	3,140	4.3	4,646	5.1	6,474	5.4	6,474	5.4
Labor-intensive industry	3,757	7.8	4,846	7.7	5,887	8.0	7,480	8.2	10,009	8.3	10,009	8.3
Scale-intensive industry	6,592	13.7	8,572	13.6	10,749	14.6	13,550	14.8	18,933	15.7	18,933	15.7
Specialist suppliers	10,137	21.0	11,688	18.6	14,267	19.4	17,012	18.6	22,226	18.4	22,226	18.4
R&D-intensive industry	8,874	18.4	11,930	19.0	14,066	19.1	17,146	18.8	20,889	17.3	20,889	17.3
São Paulo State	20,310	100.0	27,107	100.0	30,492	100.0	37,048	100.0	48,404	100.0	48,404	100.0
Primary agricultural goods	870	4.3	842	3.1	826	2.7	1,090	2.9	1,305	2.7	1,305	2.7
Primary mineral goods	151	0.7	248	0.9	297	1.0	222	0.6	246	0.5	246	0.5
Primary energy goods	1,489	7.3	2,791	10.3	2,572	8.4	3,999	10.8	5,258	10.9	5,258	10.9
Agrifood industry	407	2.0	456	1.7	511	1.7	692	1.9	852	1.8	852	1.8
Industry intensive in other agricultural resources	334	1.6	460	1.7	527	1.7	697	1.9	811	1.7	811	1.7
Mineral-intensive industry	2,787	13.7	3,699	13.6	3,924	12.9	4,180	11.3	5,252	10.9	5,252	10.9
Energy-intensive industry	360	1.8	190	0.7	142	0.5	339	0.9	1,232	2.5	1,232	2.5

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Detailed Table 6.6 (continued)
Imports by Commodity Trade Pattern (CTP) product category – Brazil, São Paulo State & Brazil excluding São Paulo, 2003-2007

CTP product category	Imports											
	2003		2004		2005		2006		2007			
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%
Labor-intensive industry	1,825	9.0	2,310	8.5	2,794	9.2	3,430	9.3	4,468	9.2		
Scale-intensive industry	2,815	13.9	4,041	14.9	4,755	15.6	5,161	13.9	7,095	14.7		
Specialist suppliers	4,578	22.5	5,672	20.9	6,796	22.3	8,097	21.9	10,669	22.0		
R&D-intensive industry	4,694	23.1	6,398	23.6	7,348	24.1	9,141	24.7	11,216	23.2		
Brazil excluding São Paulo State	27,948	100.0	35,730	100.0	43,109	100.0	54,274	100.0	72,136	100.0		
Primary agricultural goods	1,774	6.3	1,419	4.0	1,442	3.3	1,822	3.4	2,642	3.7		
Primary mineral goods	410	1.5	777	2.2	815	1.9	1,575	2.9	1,795	2.5		
Primary energy goods	3,984	14.3	6,389	17.9	7,806	18.1	8,584	15.8	10,663	14.8		
Agrifood industry	755	2.7	867	2.4	882	2.0	1,161	2.1	1,573	2.2		
Industry intensive in other agricultural resources	278	1.0	366	1.0	430	1.0	527	1.0	636	0.9		
Mineral-intensive industry	3,647	13.0	5,164	14.5	5,460	12.7	6,939	12.8	10,976	15.2		
Energy-intensive industry	1,652	5.9	2,133	6.0	2,998	7.0	4,307	7.9	5,242	7.3		
Labor-intensive industry	1,932	6.9	2,536	7.1	3,093	7.2	4,050	7.5	5,541	7.7		
Scale-intensive industry	3,777	13.5	4,531	12.7	5,994	13.9	8,389	15.5	11,838	16.4		
Specialist suppliers	5,559	19.9	6,016	16.8	7,471	17.3	8,915	16.4	11,557	16.0		
R&D-intensive industry	4,180	15.0	5,532	15.5	6,718	15.6	8,005	14.7	9,673	13.4		

Source: MDIC, SECEX.

Detailed Table 6.7
Trade balances by Commodity Trade Pattern (CTP) product category –
Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

CTP product category	Trade balance (US\$ million)					
	Brazil		São Paulo State		Brazil excl. SP	
	2003	2007	2003	2007	2003	2007
Total	24,825	39,800	2,764	3,308	22,061	36,492
Primary agricultural goods	9,344	21,983	459	1,414	8,885	20,569
Primary mineral goods	3,933	12,238	-143	-217	4,076	12,455
Primary energy goods	-3,324	-6,990	-1,489	-4,863	-1,835	-2,127
Agrifood industry	7,893	12,718	2,090	3,548	5,803	9,170
Industry intensive in other agricultural resources	4,589	8,441	1,844	4,109	2,745	4,332
Mineral-intensive industry	-2,075	-5,148	-1,614	-1,637	-461	-3,511
Energy-intensive industry	-363	-2,101	263	587	-626	-2,688
Labor-intensive industry	4,491	4,851	375	539	4,116	4,312
Scale-intensive industry	7,854	12,229	3,101	5,118	4,753	7,111
Specialist suppliers	-3,771	-8,154	-1,153	-2,611	-2,618	-5,543
R&D-intensive industry	-3,746	-10,267	-969	-2,679	-2,777	-7,588

Source: MDIC, SECEX.

Detailed Table 6.8
Exports and imports by level of technology content –
Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

Level of technology content	Exports (US\$ million)		Imports (US\$ million)	
	2003	2007	2003	2007
Brazil	73,083	160,340	48,258	120,540
High technology	11,494	24,694	19,011	43,115
Medium technology	53,297	108,063	21,201	52,989
Low technology	8,292	27,583	8,046	24,436
São Paulo State	23,074	51,712	20,310	48,404
High technology	7,150	16,595	9,272	21,885
Medium technology	15,293	32,874	9,038	19,783
Low technology	631	2,243	2,000	6,736
Brazil excluding São Paulo State	50,009	108,628	27,948	72,136
High technology	4,344	8,099	9,739	21,230
Medium technology	38,004	75,189	12,163	33,206
Low technology	7,661	25,340	6,046	17,700

Source: MDIC, SECEX.

Detailed Table 6.9
Exports and imports by level of technology content and partner country development –
Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

Level of technology content	Exports (US\$ million)				Imports (US\$ million)			
	2003		2007		2003		2007	
	DCs	LDCs	DCs	LDCs	DCs	LDCs	DCs	LDCs
Brazil	36,889	36,194	67,213	93,127	24,482	23,776	51,094	69,446
High technology	6,709	4,785	10,294	14,400	13,177	5,834	26,197	16,918
Medium technology	25,767	27,530	44,993	63,070	10,204	10,997	21,345	31,644
Low technology	4,413	3,879	11,926	15,657	1,101	6,945	3,552	20,884
São Paulo State	10,376	12,698	17,471	34,241	11,800	8,510	24,952	23,452
High technology	4,333	2,817	7,270	9,325	6,558	2,714	14,012	7,873
Medium technology	5,602	9,691	9,673	23,201	4,991	4,047	10,087	9,696
Low technology	441	190	528	1,715	251	1,749	853	5,883
Brazil excluding São Paulo	26,513	23,496	49,742	58,886	12,682	15,266	26,142	45,994
High technology	2,376	1,968	3,024	5,075	6,619	3,120	12,185	9,045
Medium technology	20,165	17,839	35,320	39,869	5,213	6,950	11,258	21,948
Low technology	3,972	3,689	11,398	13,942	850	5,196	2,699	15,001

Source: MDIC, SECEX.

Detailed Table 6.10
Trade balances by level of technology content and partner country development – Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

Level of technology content / Level of partner country development	2003			2007			2003			2007		
	Exports		%	Imports		%	Balance		%	Balance		
	US\$ million	US\$ million		US\$ million	US\$ million		US\$ million	US\$ million				
All levels	73,083	160,340	100	48,258	120,540	100	24,825	39,800		24,825	39,800	
DCs	36,889	67,213	50	24,482	51,094	51	12,407	16,119	42	12,407	16,119	
LDCs	36,194	93,127	50	23,776	69,446	49.3	12,418	23,681	57.6	12,418	23,681	
BRICs	6,586	15,448	9	3,189	16,492	7	3,397	-1,044	14	3,397	-1,044	
High technology	11,494	24,694	16	19,011	43,115	39	-7,517	-18,421	36	-7,517	-18,421	
DCs	6,709	10,294	9	13,177	26,197	27	-6,468	-15,903	22	-6,468	-15,903	
LDCs	4,785	14,400	7	5,834	16,918	12	-1,049	-2,518	14	-1,049	-2,518	
BRICs	370	625	1	1,089	6,875	2	-719	-6,250	6	-719	-6,250	
Medium technology	53,297	108,063	73	21,201	52,989	44	32,096	55,074	44	32,096	55,074	
DCs	25,767	44,993	35	10,204	21,345	21	15,563	23,648	18	15,563	23,648	
LDCs	27,530	63,070	38	10,997	31,644	23	16,533	31,426	26	16,533	31,426	
BRICs	5,062	9,728	7	1,551	8,008	3	3,511	1,720	7	3,511	1,720	
Low technology	8,292	27,583	11	8,046	24,436	17	246	3,147	20	246	3,147	
DCs	4,413	11,926	6	1,101	3,552	2	3,312	8,374	3	3,312	8,374	
LDCs	3,879	15,657	5	6,945	20,884	14	-3,066	-5,227	17	-3,066	-5,227	
BRICs	1,155	5,095	2	549	1,609	1	605	3,486	1	605	3,486	
				São Paulo State								
All levels	23,074	51,712	100	20,310	48,404	100	2,764	3,308	100	2,764	3,308	
DCs	10,376	17,471	45	11,800	24,952	58	-1,424	-7,481	52	-1,424	-7,481	
LDCs	12,698	34,241	55	8,510	23,452	42	4,188	10,789	48	4,188	10,789	
BRICs	1,798	3,751	8	1,193	6,676	6	605	-2,925	14	605	-2,925	

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Detailed Table 6.10 (continued)
Trade balances by level of technology content and partner country development – Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

Level of technology content / Level of partner country development	Exports				Imports				Balance	
	2003		2007		2003		2007		2003	2007
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	US\$ million
High technology	7,150	31	16,595	32	9,272	46	21,885	45	-2,122	-5,290
DCs	4,333	19	7,270	14	6,558	32	14,012	29	-2,225	-6,742
LDCs	2,817	12	9,325	18	2,714	13	7,873	16	103	1,452
BRICs	219	1	469	1	423	2	3,198	7	-204	-2,729
Medium technology	15,293	66	32,874	64	9,038	45	19,783	41	6,255	13,091
DCs	5,602	24	9,673	19	4,991	25	10,087	21	611	-414
LDCs	9,691	42	23,201	45	4,047	20	9,696	20	5,644	13,505
BRICs	1,436	6	3,178	6	618	3	3,096	6	819	82
Low technology	631	3	2,243	4	2,000	10	6,736	14	-1,369	-4,493
DCs	441	2	528	1	251	1	853	2	190	-325
LDCs	190	1	1,715	3	1,749	9	5,883	12	-1,559	-4,168
BRICs	142	1	104	0	153	1	382	1	-10	-278
Brazil excluding São Paulo										
All levels	50,009	100	108,628	100	27,948	100	72,136	100	22,061	36,492
DCs	26,513	53	49,742	46	12,682	45	26,142	36	13,831	23,600
LDCs	23,496	47	58,886	54	15,266	55	45,994	64	8,230	12,892
BRICs	4,788	10	11,697	11	1,995	7	9,816	14	2,793	1,880
High technology	4,344	9	8,099	7	9,739	35	21,230	29	-5,395	-13,131
DCs	2,376	5	3,024	3	6,619	24	12,185	17	-4,243	-9,161
LDCs	1,968	4	5,075	5	3,120	11	9,045	13	-1,152	-3,970
BRICs	150	0	156	0	665	2	3,678	5	-515	-3,522

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Detailed Table 6.10 (continued)
Trade balances by level of technology content and partner country development – Brazil, São Paulo State & Brazil excluding São Paulo, 2003 & 2007

Level of technology content / Level of partner country development	Exports				Imports				Balance	
	2003		2007		2003		2007		2003	2007
	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	%	US\$ million	US\$ million
Medium technology	38,004	76	75,189	69	12,163	44	33,206	46	25,841	41,983
DCs	20,165	40	35,320	33	5,213	19	11,238	16	14,952	24,062
LDCs	17,839	36	39,869	37	6,950	25	21,948	30	10,889	17,921
BRICs	3,626	7	6,550	6	933	3	4,911	7	2,692	1,638
Low technology	7,661	15	25,340	23	6,046	22	17,700	25	1,615	7,640
DCs	3,972	8	11,398	10	850	3	2,699	4	3,122	8,699
LDCs	3,689	7	13,942	13	5,196	19	15,001	21	-1,507	-1,059
BRICs	1,012	2	4,991	5	397	1	1,227	2	615	3,764

Source: MDIC, SECEX.

Notes: 1. In this table BRICs refers to trade between Brazil, São Paulo State and Brazil excluding São Paulo with China, India and Russia.

2. DCs: developed countries; LDCs: less developed countries.

Detailed Table 6.11
Receipts and remittances relating to technological services in proportion to GDP – OECD countries, 2005

Country	Receipts (% GDP)	Remittances (% GDP)
Luxembourg (2004)	8.26	2.73
Sweden	2.68	1.98
Switzerland	2.05	2.21
Belgium	1.77	1.46
Denmark	1.72	1.31
Netherlands	1.51	1.39
Hungary	1.43	2.21
Finland	1.36	1.12
U.K.	1.31	0.65
Germany	1.14	1.01
Austria	0.95	1.22
Canada	0.92	0.79
Norway	0.78	0.75
USA	0.46	0.20
Japan	0.40	0.14
New Zealand	0.33	0.82
Portugal	0.31	0.50
Ireland	0.29	9.71
France (2003)	0.29	0.18
Czech Republic	0.25	0.68
Italy	0.24	0.26
Australia	0.22	0.23
Slovakia (2001)	0.14	0.31
South Korea (2003)	0.13	0.53
Poland (2002)	0.12	0.53
Mexico (2004)	0.01	0.08

Source: OECD (2007, p. 199).

Detailed Table 6.12
Trade in intellectual property rights – USA, 1986-2005 (selected years)

Year	Trade in intellectual property rights (US\$ billion)		
	Receipts (A)	Remittances (B)	Balance (A) - (B)
1986	8.1	1.4	6.7
1990	16.6	3.1	13.5
1994	26.7	5.9	20.9
1998	35.6	11.2	24.4
2002	44.2	19.2	25.0
2003	48.3	20.0	28.2
2004	52.5	23.2	29.3
2005	57.4	24.5	32.9

Source: NSB (2008), Appendix table 6-22.

Detailed Table 6.13
Receipts and remittances relating to technology flows – Brazil, 2005-2008

Year	Technology flows		
	Receipts (A)	Remittances (B)	Balance (A) - (B)
2005	2.95	4.44	-1.49
2006	3.72	5.41	-1.69
2007	5.04	6.88	-1.84
2008 (1)	5.27	7.42	-2.15

Source: Central Bank of Brazil (BACEN).

(1) January-November.