## Chapter 5

## Revealed Comparative Advantage (RCA) Indices by Industry in China (1992-2010)

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## Introduction

The annual growth rate of total exports in China rose from $14.4 \%$ during the $1992-2000$ period to $21.9 \%$ during the 2001-2010 period. By which industries were these exports made during the periods and how were the industrial performances shown by the Revealed Comparative Advantage (RCA) indices (Balassa [1965])? If we can aggregate commodities by industry, we can know the export values and RCA indices by industry. Yeats [1991] and Oh [2008] calculated RCA indices of commodities in China. However, they did not aggregate commodities by industry.

Kinoshita and Yamada [1993] constructed an aggregate correspondence table between 20 industrial sectors and Standard International Trade Classification (SITC), Revision 1 and 2 (Rev. 1 and Rev. 2). By using the Kinoshita and Yamada [1993] table, Noda and Kuroko [2006] calculated the RCA indices of 20 industrial sectors in China from 1987 to 2003 together with those of other East Asian countries and regions and the United States.

National Bureau of Statistics of China [2009] constructed a comparison table for classification of commodity statistics by the customs and for classification of input-output sectors in the attached

CD-ROM. This did not aggregate commodities by industry. Kinoshita and Yamada [1993] and National Bureau of Statistics of China [2009] were not based on the international standard industrial classification. However, National Bureau of Statistics of China [2008] constructed a comparison table between the industrial classification of China (GB/T 4754-2002) and the International Standard Industrial Classification (ISIC), Rev. 3.

Guo et al. [2009] constructed an aggregate concordance table between OECD I-O 37 sectors (ISIC Rev. 3) and the Harmonized System (HS 1988). On the other hand, Eurostat opened a file of a disaggregated correspondence table from ISIC Rev. 3 to SITC Rev. 3 at its website. However, this didn't aggregate commodities for small numbers of industrial sectors. This chapter constructs an aggregate correspondence table of 21 industries similar to Kinoshita and Yamada [1993]'s aggregate correspondence table from the disaggregated Eurostat correspondence table. Based on the table, this chapter calculates export values and revealed comparative advantage indices in the 21 industries, classified by the international standard industrial classification (ISIC Rev. 3) in China from 1992 to 2010. Section 1 explains an aggregate correspondence table based on the Eurostat

Table 1. 21 Industries and their ISIC Rev. 3 Codes ${ }^{(1)}$

|  | ISIC Rev. 3 |
| :--- | ---: |
| Agriculture, hunting, forestry and fishing | $01+02+05$ |
| Mining and quarrying of energy producing materials | $10+11+12$ |
| Mining and quarrying except energy producing materials | $13+14$ |
| Manufacture of food products; beverages and tobacco | $15+16$ |
| Manufacture of textiles, textile products, leather and leather products | $17+18+19$ |
| Manufacture of wood and wood products | 20 |
| Manufacture of pulp, paper and paper products; publishing and printing | $21+22$ |
| Manufacture of coke, refined petroleum products and nuclear fuel | 23 |
| Manufacture of chemicals and chemical products | 24 |
| Manufacture of rubber and plastics products | 25 |
| Manufacture of other non-metallic mineral products | 26 |
| Manufacture of basic metals | 27 |
| Manufacture of fabricated metal products, except machinery and equipment | 28 |
| Manufacture of machinery and equipment n.e.c. | 29 |
| Manufacture of office, accounting and computing machinery | 30 |
| Manufacture of electrical machinery and apparatus n.e.c. | 31 |
| Manufacture of radio, television and communication equipment and apparatus | 32 |
| Manufacture of medical, precision and optical instruments, watches and clocks | 33 |
| Manufacture of motor vehicles, trailers and semi-trailers | 34 |
| Manufacture of other transport equipment | 35 |
| Manufacture of furniture; manufacturing n.e.c. | 36 |

(Sources) Author from United Nations [1990] and OECD [2009].
(Note) (1) Names of industries are based on United Nations [1990] and are modified with references to OECD [2009].
correspondence table. Section 2 shows export values and RCA indices by industry in China from 1992 to 2010. The final section concludes.

## 1. An Aggregate Correspondence Table Based on the Eurostat Correspondence Table

Eurostat opened a file of a disaggregated correspondence table from ISIC Rev. 3 to SITC Rev. 3 at its website. ${ }^{1}$ The Eurostat correspondence table has 145 distinct codes of two and four digits in ISIC codes and 3060 distinct codes from three to five digits in SITC codes. This section aggregates the ISIC codes in the Eurostat correspondence table into 21 industries in agriculture, hunting, forestry and fishing, mining and
quarrying, and manufacturing and constructs an aggregate correspondence table between ISIC Rev. 3 and SITC Rev. 3, similar to Kinoshita and Yamada [1993]. The 21 industries and their ISIC codes are shown in Table 1.

The Eurostat correspondence table does not include the whole items in the SITC table. ${ }^{2}$ In an aggregate table of this chapter, some SITC items which exist in the Eurostat correspondence table are excluded by the author. They do not belong to agriculture, hunting, forestry and fishing, mining and quarrying, and manufacturing, but belong to electricity, gas, steam and hot water supply, other business activities, recreational, cultural and sporting activities, or other service activities. ${ }^{3}$ The Eurostat correspondence table has three items (SITC 898.41, 654.6, 657.33) that
belong to two different industries in the 21 industries. ${ }^{4}$ We need to be cautious about this fact in using the correspondence tables. However, the shares of the three items are relatively small in the aggregate discussion of this chapter. ${ }^{5}$ An aggregate correspondence table is shown as the Annex Table 1. The excluded items are shown with the minus sign. We can know representative items in each industry by this table.

## 2. Revealed Comparative Advantage (RCA) Indices by Industry in China (1992-2010)

The annual growth rate of total exports in China rose from $14.4 \%$ during the $1992-2000$ period to $21.9 \%$ during the 2001-2010 period. In Table 2, the shares of exports by industries from 1992 to 2010 calculated by using the aggregate correspondence table in section 1 are shown. The exports from 1992 to 2010 can be characterized by the coexistence of exports by capital-intensive and labor-intensive industries.

From 1992 to 2010, exports of capital-intensive industries of the radio, television and communication equipment and apparatus industry (ISIC Rev. 3 Code. 32) and the office, accounting and computing machinery industry (ISIC Rev. 3 Code. 30) accounted for $14.6 \%, 12.1 \%$ of total exports, respectively. Exports of labor-intensive industries of the textiles, textile products, leather and leather products industry (ISIC Rev. 3 Codes. $17+18+19$ ) and the manufacture of furniture; manufacturing n.e.c. (ISIC Rev. 3 Code. 36) accounted for $20.1 \%$ and $6.2 \%$, respectively.

The growth rates of exports of the two labor-intensive industries combined rose from 10.9\% during the 1992-2000 period to $16.6 \%$ during the 2001-2010 period. On the other hand, the growth rates of exports, during the 1992-2000 period and during the 2001-2010 period, of the two capital-intensive industries combined were higher than those of the two labor-intensive industries combined. They were 30.0\%
and $26.8 \%$, respectively.
From the 1992-2000 period to the 2001-2010 period, shares of the radio, television and communication equipment and apparatus industry and the office, accounting and computing machinery industry against total exports rose from $8.1 \%$ to $15.6 \%$ and from $5.0 \%$ to $13.2 \%$, respectively. Between the same periods, shares of the textiles, textile products, leather and leather products industry and the manufacture of furniture; manufacturing n.e.c. declined from $31.8 \%$ to $18.3 \%$ and from $7.8 \%$ and $6.0 \%$, respectively.

The Revealed Comparative Advantage (RCA) index (Balassa [1965]) measures an export performance of a particular commodity in a country. The RCA index which shows a country i's export performance of commodity $j$ is defined by

$$
\begin{equation*}
\frac{x_{i j} / x_{W j}}{x_{i T} / x_{W T}} \tag{1}
\end{equation*}
$$

where $x_{i j}$ is the export of commodity $j$ by country $i, x_{W j}$ is exports of commodity $j$ by the world, $x_{i T}$ is total exports by country $i$ and $x_{W T}$ is total exports by the world.

The RCA indices for 21 industries classified by the aggregate correspondence table (Annex Table 1) from 1992 to 2010 were calculated by using the United Nations COMTRADE database and the data for Taiwan. ${ }^{6}$ The calculation involved about 174 countries and regions on average. The RCA indices are shown in Table 3 and Figure 1.

The RCAs of the two capital-intensive industries of the radio, television and communication equipment and apparatus industry and the office, accounting and computing machinery industry rose from the 1992-2000 period to the 2001-2010 period.

From the 1992-2000 period to the 2001-2010 period, the RCA of the radio, television and

|  | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 1992-2000 ${ }^{(3)}$ | 2001-2010 ${ }^{(3)}$ | 1992-2010 ${ }^{(3)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Value of total exports | 84.9 | 91.7 | 121.0 | 148.8 | 151.0 | 182.8 | 183.8 | 194.9 | 249.2 | 266.1 | 325.6 | 438.2 | 593.3 | 762.0 | 968.9 | 1220.1 | 1430.7 | 1201.7 | 1577.8 | 1408.3 | 8784.3 | 10192.5 |
| ISIC Rev. 3 Codes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01+02+05 | 6.0 | 5.4 | 4.8 | 3.2 | 2.9 | 2.8 | 2.4 | 2.2 | 2.0 | 1.8 | 1.8 | 1.7 | 1.1 | 1.0 | 0.8 | 0.8 | 0.7 | 0.9 | 0.9 | 3.1 | 1.0 | 1.3 |
| 10+11+12 | 4.1 | 3.4 | 2.3 | 2.2 | 2.6 | 2.3 | 1.5 | 1.1 | 1.5 | 1.6 | 1.3 | 1.0 | 0.9 | 0.9 | 0.7 | 0.5 | 0.6 | 0.4 | 0.3 | 2.1 | 0.6 | 0.8 |
| 13+14 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.6 | 0.5 | 0.5 | 0.5 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.1 | 0.2 | 0.6 | 0.3 | 0.3 |
| 15+16 | 7.3 | 7.3 | 7.0 | 6.6 | 6.7 | 5.4 | 5.2 | 4.6 | 4.1 | 4.1 | 3.7 | 3.1 | 2.7 | 2.5 | 2.3 | 2.1 | 2.0 | 2.3 | 2.2 | 5.7 | 2.4 | 2.8 |
| 17+18+19 | 37.5 | 38.2 | 37.6 | 32.8 | 31.8 | 32.0 | 30.1 | 29.0 | 27.2 | 26.1 | 24.4 | 22.7 | 20.3 | 19.1 | 18.4 | 17.3 | 16.1 | 17.4 | 16.6 | 31.8 | 18.3 | 20.1 |
| 20 | 1.3 | 1.3 | 1.3 | 1.4 | 1.3 | 1.2 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0.8 | 0.7 | 1.2 | 0.9 | 0.9 |
| 21+22 | 0.7 | 0.7 | 0.6 | 0.8 | 0.7 | 0.7 | 0.8 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 | 0.8 | 0.8 | 0.7 | 0.8 | 0.8 |
| 23 | 0.9 | 0.5 | 0.6 | 0.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.5 | 0.5 | 0.4 | 0.5 | 0.8 | 0.4 | 0.3 | 0.3 | 0.6 | 0.1 | 0.2 | 0.7 | 0.4 | 0.4 |
| 24 | 5.4 | 5.2 | 5.5 | 6.3 | 6.0 | 5.7 | 5.7 | 5.4 | 5.0 | 5.1 | 4.8 | 4.7 | 4.7 | 4.9 | 4.7 | 4.9 | 5.5 | 5.1 | 5.4 | 5.6 | 5.1 | 5.1 |
| 25 | 2.0 | 2.2 | 2.3 | 2.5 | 2.7 | 2.8 | 3.1 | 3.0 | 3.0 | 2.9 | 2.8 | 2.6 | 2.6 | 2.7 | 2.6 | 2.5 | 2.4 | 2.6 | 2.7 | 2.7 | 2.6 | 2.6 |
| 26 | 1.9 | 1.7 | 1.9 | 2.1 | 2.2 | 2.1 | 2.0 | 2.0 | 1.8 | 1.7 | 1.8 | 1.7 | 1.7 | 1.8 | 1.8 | 1.7 | 1.7 | 1.8 | 1.9 | 2.0 | 1.8 | 1.8 |
| 27 | 2.4 | 2.1 | 2.6 | 4.8 | 3.5 | 3.9 | 3.3 | 2.8 | 3.2 | 2.5 | 2.2 | 2.4 | 4.0 | 4.0 | 5.3 | 5.9 | 6.4 | 3.0 | 3.7 | 3.3 | 4.4 | 4.3 |
| 28 | 2.9 | 2.9 | 3.0 | 3.2 | 3.3 | 3.4 | 3.6 | 3.5 | 3.4 | 3.5 | 3.5 | 3.3 | 3.4 | 3.4 | 3.6 | 3.7 | 3.9 | 3.7 | 3.4 | 3.3 | 3.6 | 3.6 |
| 29 | 3.5 | 4.0 | 3.7 | 4.2 | 4.6 | 4.4 | 4.8 | 5.2 | 5.7 | 6.3 | 6.5 | 6.7 | 6.9 | 7.1 | 7.3 | 7.8 | 8.6 | 8.4 | 8.3 | 4.6 | 7.8 | 7.4 |
| 30 | 1.3 | 1.8 | 2.2 | 3.2 | 4.4 | 5.1 | 6.4 | 6.9 | 7.5 | 8.9 | 11.1 | 14.3 | 14.7 | 14.5 | 13.9 | 13.6 | 12.4 | 13.1 | 13.1 | 5.0 | 13.2 | 12.1 |
| 31 | 3.4 | 3.8 | 4.0 | 4.5 | 4.8 | 4.9 | 5.4 | 6.1 | 6.2 | 6.1 | 6.0 | 5.7 | 5.5 | 5.4 | 5.6 | 5.8 | 6.2 | 6.1 | 6.4 | 5.1 | 6.0 | 5.8 |
| 32 | 5.3 | 5.8 | 6.7 | 7.2 | 7.5 | 7.4 | 8.1 | 9.5 | 10.9 | 11.7 | 13.0 | 13.5 | 15.2 | 16.0 | 16.7 | 15.8 | 15.2 | 16.6 | 16.3 | 8.1 | 15.6 | 14.6 |
| 33 | 2.6 | 2.7 | 2.6 | 2.7 | 2.8 | 2.8 | 2.9 | 2.9 | 2.8 | 2.5 | 2.3 | 2.6 | 2.9 | 3.2 | 3.1 | 3.4 | 3.4 | 3.6 | 3.6 | 2.8 | 3.3 | 3.2 |
| 34 | 0.8 | 0.7 | 0.9 | 1.3 | 1.2 | 1.0 | 1.3 | 1.4 | 1.7 | 1.6 | 1.5 | 1.7 | 2.0 | 2.2 | 2.2 | 2.7 | 2.7 | 1.9 | 2.3 | 1.2 | 2.2 | 2.1 |
| 35 | 1.7 | 1.2 | 1.3 | 1.4 | 1.6 | 1.8 | 2.1 | 2.0 | 2.1 | 2.0 | 1.8 | 1.9 | 1.7 | 1.7 | 1.9 | 2.0 | 2.4 | 3.3 | 3.6 | 1.8 | 2.4 | 2.4 |
| 36 | 7.3 | 7.4 | 7.8 | 7.4 | 7.5 | 7.9 | 8.5 | 8.5 | 7.7 | 7.3 | 7.4 | 6.6 | 6.1 | 6.0 | 5.7 | 5.6 | 5.7 | 6.0 | 5.8 | 7.8 | 6.0 | 6.2 |

[^0] for details. (2) Other SITC items do not belong to the 21 industris
(3) Sum for the value of total exports and period averages for shares

| ISIC Rev. 3 Codes | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 1992-2000 ${ }^{(2)}$ | 2001-2010 ${ }^{(2)}$ | 1992-2010 ${ }^{(2)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 01+02+05 | 1.56 | 1.53 | 1.35 | 0.93 | 0.81 | 0.83 | 0.76 | 0.76 | 0.78 | 0.68 | 0.67 | 0.63 | 0.44 | 0.43 | 0.35 | 0.33 | 0.28 | 0.32 | 0.31 | 0.95 | 0.37 | 0.45 |
| 10+11+12 | 0.95 | 0.81 | 0.61 | 0.63 | 0.54 | 0.56 | 0.42 | 0.23 | 0.22 | 0.25 | 0.21 | 0.16 | 0.14 | 0.12 | 0.08 | 0.06 | 0.06 | 0.05 | 0.04 | 0.46 | 0.08 | 0.12 |
| 13+14 | 0.88 | 0.78 | 0.69 | 0.75 | 0.70 | 0.67 | 0.66 | 0.61 | 0.55 | 0.59 | 0.46 | 0.39 | 0.33 | 0.30 | 0.22 | 0.17 | 0.20 | 0.12 | 0.12 | 0.67 | 0.21 | 0.27 |
| 15+16 | 0.92 | 0.94 | 0.90 | 0.88 | 0.90 | 0.75 | 0.74 | 0.70 | 0.73 | 0.68 | 0.60 | 0.51 | 0.47 | 0.44 | 0.44 | 0.39 | 0.35 | 0.35 | 0.36 | 0.80 | 0.41 | 0.46 |
| 17+18+19 | 4.32 | 4.41 | 4.46 | 4.12 | 4.10 | 4.02 | 3.89 | 3.92 | 3.95 | 3.71 | 3.49 | 3.35 | 3.24 | 3.22 | 3.29 | 3.18 | 3.30 | 3.23 | 3.25 | 4.05 | 3.19 | 3.18 |
| 20 | 1.15 | 1.01 | 1.03 | 1.18 | 1.14 | 1.01 | 0.91 | 1.00 | 1.07 | 1.10 | 1.10 | 1.03 | 1.05 | 1.10 | 1.21 | 1.14 | 1.19 | 1.16 | 1.10 | 1.04 | 1.09 | 1.02 |
| 21+22 | 0.22 | 0.23 | 0.21 | 0.23 | 0.24 | 0.27 | 0.26 | 0.25 | 0.29 | 0.31 | 0.31 | 0.31 | 0.29 | 0.32 | 0.37 | 0.43 | 0.44 | 0.46 | 0.46 | 0.25 | 0.38 | 0.33 |
| 23 | 1.10 | 0.67 | 1.15 | 1.21 | 1.20 | 1.32 | 1.60 | 1.44 | 1.04 | 1.01 | 0.99 | 0.91 | 1.36 | 0.79 | 0.57 | 0.56 | 0.80 | 0.25 | 0.38 | 1.20 | 0.66 | 0.73 |
| 24 | 0.57 | 0.57 | 0.57 | 0.64 | 0.63 | 0.59 | 0.58 | 0.55 | 0.55 | 0.53 | 0.47 | 0.44 | 0.44 | 0.46 | 0.46 | 0.47 | 0.54 | 0.45 | 0.50 | 0.58 | 0.48 | 0.50 |
| 25 | 0.82 | 0.91 | 0.93 | 0.99 | 1.08 | 1.14 | 1.19 | 1.19 | 1.29 | 1.23 | 1.17 | 1.07 | 1.08 | 1.12 | 1.14 | 1.07 | 1.09 | 1.09 | 1.11 | 1.10 | 1.10 | 1.09 |
| 26 | 1.30 | 1.13 | 1.27 | 1.43 | 1.53 | 1.55 | 1.47 | 1.47 | 1.48 | 1.41 | 1.44 | 1.38 | 1.40 | 1.53 | 1.58 | 1.48 | 1.61 | 1.66 | 1.74 | 1.42 | 1.55 | 1.49 |
| 27 | 0.48 | 0.41 | 0.52 | 0.89 | 0.67 | 0.74 | 0.63 | 0.62 | 0.71 | 0.57 | 0.52 | 0.52 | 0.74 | 0.74 | 0.85 | 0.87 | 0.96 | 0.54 | 0.60 | 0.65 | 0.76 | 0.77 |
| 28 | 1.21 | 1.28 | 1.30 | 1.36 | 1.43 | 1.48 | 1.53 | 1.55 | 1.64 | 1.65 | 1.64 | 1.55 | 1.58 | 1.61 | 1.65 | 1.64 | 1.72 | 1.65 | 1.66 | 1.45 | 1.65 | 1.61 |
| 29 | 0.35 | 0.41 | 0.38 | 0.43 | 0.47 | 0.47 | 0.51 | 0.59 | 0.69 | 0.75 | 0.78 | 0.80 | 0.82 | 0.85 | 0.90 | 0.91 | 1.03 | 1.05 | 1.03 | 0.50 | 0.94 | 0.86 |
| 30 | 0.30 | 0.38 | 0.45 | 0.63 | 0.85 | 0.89 | 1.12 | 1.14 | 1.24 | 1.55 | 2.07 | 2.76 | 2.97 | 3.02 | 3.06 | 3.25 | 3.40 | 3.32 | 3.31 | 0.92 | 2.98 | 2.56 |
| 31 | 0.93 | 0.99 | 1.00 | 1.09 | 1.17 | 1.19 | 1.28 | 1.43 | 1.47 | 1.47 | 1.49 | 1.42 | 1.38 | 1.37 | 1.41 | 1.46 | 1.58 | 1.50 | 1.57 | 1.24 | 1.49 | 1.45 |
| 32 | 0.87 | 0.83 | 0.86 | 0.87 | 0.93 | 0.88 | 0.96 | 1.03 | 1.04 | 1.28 | 1.43 | 1.52 | 1.68 | 1.80 | 1.88 | 1.95 | 2.09 | 2.06 | 2.03 | 0.97 | 1.87 | 1.74 |
| 33 | 0.83 | 0.87 | 0.86 | 0.89 | 0.94 | 0.89 | 0.91 | 0.88 | 0.87 | 0.75 | 0.71 | 0.77 | 0.84 | 0.93 | 0.93 | 1.04 | 1.07 | 1.00 | 1.03 | 0.89 | 0.97 | 0.97 |
| 34 | 0.07 | 0.07 | 0.09 | 0.13 | 0.12 | 0.11 | 0.13 | 0.13 | 0.18 | 0.17 | 0.15 | 0.17 | 0.20 | 0.23 | 0.25 | 0.29 | 0.33 | 0.26 | 0.29 | 0.12 | 0.25 | 0.23 |
| 35 | 0.41 | 0.32 | 0.37 | 0.45 | 0.50 | 0.52 | 0.51 | 0.51 | 0.63 | 0.54 | 0.50 | 0.58 | 0.54 | 0.57 | 0.62 | 0.65 | 0.79 | 1.08 | 1.22 | 0.49 | 0.79 | 0.73 |
| 36 | 2.29 | 2.25 | 2.37 | 2.36 | 2.44 | 2.55 | 2.69 | 2.67 | 2.59 | 2.45 | 2.39 | 2.25 | 2.17 | 2.12 | 2.15 | 2.02 | 2.12 | 2.04 | 2.06 | 2.50 | 2.11 | 2.13 |



Figure 1.1.
Agriculture, hunting, forestry and fishing


Figure 1.4
Food products; beverages and tobacco


Figure 1.7.
Pulp, paper and paper products; publishing and printing


Figure 1.10
Rubber and plastics products


Figure 1.2.
Mining and quarrying of energy producing materials


Figure 1.5.
Textiles, textile products, leather and leather products


Figure 1.8.
Coke, refined petroleum products and nuclear fuel


Figure 1.11.
Other non-metallic mineral products


Figure 1.3.
Mining and quarrying except energy producing materials


Figure 1.6.
Wood and w ood products


Figure 1.9.
Chemicals and chemical products

Figure 1 (1.1.-1.11.). RCA Indices by Industry (1992-2010)
(Source) Table 3.


Figure 1 (1.12.-1.21.). RCA Indices by Industry (1992-2010)
(Source) Table 3.
communication equipment and apparatus industry rose from 0.97 to 1.87 . During the 1992-2010 period, the RCA was 1.74.

From the 1992-2000 period to the 2001-2010 period, the RCA of the office, accounting and computing machinery industry rose from 0.92 to 2.98 . From 2000 to 2003, the RCA rose especially rapidly from 1.24 to 2.76 . During the 1992-2010 period, the RCA was 2.56.

Although the RCAs of the two labor-intensive industries declined from the 1992-2000 period to the 2001-2010 period, their RCAs registered relatively high levels during the 1992-2010 period.

From the 1992-2000 period to the 2001-2010 period, the RCA of the textiles, textile products, leather and leather products industry declined from 4.05 to 3.19. During the 1992-2010 period, the RCA was 3.18.

From the 1992-2000 period to the 2001-2010 period, the RCA of the manufacture of furniture; manufacturing n.e.c. declined from 2.50 to 2.11. During the 1992-2010 period, the RCA was 2.13.

## Concluding Remarks

Following Kinoshita and Yamada [1993], this chapter constructed an aggregate correspondence table of 21 industries from the disaggregated Eurostat correspondence table from ISIC Rev. 3 to SITC Rev. 3. Following also Noda and Kuroko [2006], this chapter calculated export values and Revealed Comparative Advantage (RCA) indices in the 21 industries, classified by the international standard industrial classification (ISIC Rev. 3) in China from 1992 to 2010 by using the aggregate correspondence table constructed.

From the calculations, this chapter mainly found that the exports from 1992 to 2010 could be characterized by the coexistence of exports by capital-intensive and labor-intensive industries.

From 1992 to 2010, exports of capital-intensive industries of the radio, television and communication equipment and apparatus industry and the office, accounting and computing machinery industry accounted for about a quarter of total exports. Exports of labor-intensive industries of the textiles, textile products, leather and leather products industry and the manufacture of furniture; manufacturing n.e.c. also accounted for about a quarter of total exports.

The growth rates of exports of the two labor-intensive industries combined rose from the 1992-2000 period to the 2001-2010 period. On the other hand, the growth rates of exports, during the 1992-2000 period and during the 2001-2010 period, of the two capital-intensive industries combined were higher than those of the two labor-intensive industries combined.

The RCAs of the two capital-intensive industries rose from the 1992-2000 period to the 2001-2010 period. From 2000 to 2003, the RCA of the office, accounting and computing machinery industry rose especially rapidly from 1.24 to 2.76 . Although the RCAs of the two labor-intensive industries declined from the 1992-2000 period to the 2001-2010 period, their RCAs registered relatively high levels during the 1992-2010 period.

## Notes

1 Arip et al. [2010] made a correspondence table between SITC Rev. 2 and ISIC Rev. 3 from the Eurostat correspondence table.

2 The SITC items which are not included in the Eurostat correspondence table are as follows. SITC $071.13,072.5$, 081.19, 081.2, 081.5, 081.94, 121.3, 211.91, 232.22, 246.2, 251.1, 261.42, 263.3, 267.2, 268.62, 268.69, 278.6, 282, 288, 289.2, 291.11, 291.16, 291.92, 291.93, 291.95, 291.98, 291.99, 334.12, 334.19, 334.2, 334.3, 334.4, 334.5, 579, 598.12, 625.93, 759.95, 793.3, 894.41, 91, 93, 971.03.

3 The SITC items which do not belong to agriculture, hunting, forestry and fishing, mining and quarrying, and manufacturing are excluded from the Eurostat correspondence table by the author for constructing an aggregate correspondence table. They are as follows. SITC $345,351,525.17$ which belong to electricity, gas, steam and hot water supply. SITC 882.5, 882.6, 892.82 which belong to other business activities. SITC 883.1, 883.9, 896.11, 896.12, 896.2, $896.3,896.4,896.5,896.6$ which belong to recreational, cultural and sporting activities. SITC 291.91 which belongs to other service activities.
4 Specifically, SITC 898.41 belongs to both manufacture of chemicals and chemical products (ISIC 2429) and manufacture of electrical machinery and apparatus n.e.c. (ISIC 3150). SITC 654.6 belongs to both manufacture of textiles, textile products, leather and leather products (ISIC 1711) and manufacture of other non-metallic mineral products (ISIC 2610). SITC 657.33 belongs to both manufacture of textiles, textile products, leather and leather products (ISIC 1729) and manufacture of rubber and plastics products (ISIC 2519).
5 The shares of the three items (SITC 898.41, 654.6, 657.33) in total exports during the 1992-2010 period in China were $0.007 \%, 0.02 \%, 0.005 \%$, respectively. Their shares in world exports during the 1992-2010 period were $0.01 \%$, $0.02 \%, 0.01 \%$, respectively.
6 The data for Taiwan were compiled by IDE-JETRO in conformity with the United Nations COMTRADE database, based on the trade data obtained from the Statistics Office, Directorate General of Customs, Ministry of Finance, Taiwan. (same as December issues of Monthly Statistics of Exports, the Republic of China, Taiwan District). The data range from 1992 to 2009. The data were transformed from those of the Harmonized System (HS) codes (data from 1992 to 1997 (HS 1988), data from 1998 to 2003 (HS 1996), data from 2004 to 2008 (HS 2002), data of 2009 (HS 2007)) to those of the SITC Rev. 3 codes. In the transformed data, the unavailable items in calculating RCAs are as follows. SITC 061.6, 286, 291.94, 334.11, 718.71.

## References

Arip, Mohammad Affendy, Lau Sim Yee, and Madono Satoru [2010] "Commodity-Industry Classification Proxy: A Correspondence Table between SITC Revision 2 and ISIC Revision 3," MPRA Paper No. 27626, Munich Personal RePEc Archive, http://mpra.ub.uni-muenchen.de/27626/ (accessed August 18, 2011)

Balassa, Bela [1965] "Trade Liberalisation and "Revealed" Comparative Advantage," The Manchester School, Vol.33, Issue 2, May, pp. 99-123.
Guo, Dong, Colin Webb and Norihiko Yamano [2009]
"Towards Harmonised Bilateral Trade Data for Inter-Country Input-Output Analyses: Statistical Issues," STI Working Paper 2009/4, OECD, http://www.oecd.org/dataoecd/2/48/42264754.pdf (accessed April 21, 2011)

Kinoshita, Soshichi and Mitsuo Yamada [1993] "Estimations and Some Investigations of Export Deflators by Countries and Commodities: Using the United Nations Trade Data," Cyosa to Shiryo, No. 97, Keizai Kouzou Kenkyu Center, Faculty of Economics, Nagoya University (in Japanese).
National Bureau of Statistics of China [2008] Commentary on the Industrial Classification of the National Economy, Beijing: China Statistics Press (in Chinese) .

National Bureau of Statistics of China [2009] 2007 Input-Output Tables of China, Department of National Accounts, Beijing: China Statistics Press (in Chinese).
Noda, Yosuke and Masato Kuroko [2006] Trade-Related Indices in East Asian Countries and Regions and the United States of America, Supplement of Chosakenkyu-Hokokusho, Institute of Developing Economies, JETRO (in Japanese).
OECD [2009] National Accounts of OECD Countries. Volume Ilb 1996-2007, Detailed Tables, Paris: OECD.

Oh, Ya [2008] An Investigation of International Competitiveness by Industry in Contemporary China: Statistical Analyses Based on RCA (Revealed Comparative Advantage Indices), Nagoya: V 2 Solution (in Japanese).
United Nations [1990] International Standard Industrial

Classification of All Economic Activities. Rev.3, Statistical Papers; Series M, No. 4, Rev. 3, New York: United Nations.

United Nations [1994] Commodity Indexes for the Standard International Trade Classification, Revision 3. Volume II, Statistical Papers, Series M; No. 38/Rev. 2, Vol. II, New York: United Nations.

Yeats, Alexander J. [1991] "China's Foreign Trade and Comparative Advantage: Prospects, Problems, and Policy Implications," World Bank Discussion Papers 141, Washington, D.C. : World Bank.

## Websites

Eurostat
(http://ec.europa.eu/eurostat/ramon/relations/index.cfm? TargetUrl=ACT_REL_DELIMITER\&StrNomRelCode =ISIC REV. 3 - SITC REV. 3\&StrLanguageCode=EN\& StrFormat=CSV) (accessed August 18, 2011)
United Nations COMTRADE database, DESA/UNSD (http://comtrade.un.org) (accessed January 11, 2012)
United Nations Statistics Division, the file of the table of codes and descriptions of commodities of SITC Rev. 3 (http://unstats.un.org/unsd/cr/registry/regdnld.asp?Lg=1) (accessed August 18, 2011)

## Annex: Table 1. An Aggregate Correspondence Table Based on the Eurostat Correspondence Table

| SITC <br> Rev. 3 | Description |
| :--- | :--- |

Agriculture, hunting, forestry and fishing (01+02+05)

| 00 | Live animals other than animals of division 03 |
| :---: | :---: |
| 012.92 | Frogs' legs |
| 012.93 | Snails (other than sea snails) |
| 025.1 | Birds' eggs, in shell, fresh, preserved or cooked |
| 034.1 | Fish, fresh (live or dead) or chilled (excluding fillets and minced fish) |
| -034.19 | Fish livers and roes, fresh or chilled |
| 036.2 | Crustaceans, other than frozen, including flours, meals and pellets of crustaceans, fit for human consumption |
| 036.31 | Oysters |
| 036.33 | Cuttlefish, octopus and squid, fresh or chilled |
| 036.35 | Other molluscs and aquatic invertebrates, fresh or chilled |
| 041 | Wheat (including spelt) and meslin, unmilled |
| 042.1 | Rice in the husk (paddy or rough rice) |
| 043 | Barley, unmilled |
| 044 | Maize (not including sweet corn), unmilled |
| 045 | Cereals, unmilled (other than wheat, rice, barley and maize) |
| 054 | Vegetables, fresh, chilled, frozen or simply preserved (including dried leguminous vegetables); roots, tubers and other edible vegetable products, n.e.s., fresh or dried |
| -054.6 | Vegetables (uncooked or cooked by steaming or boiling in water), frozen |
| -054.7 | Vegetables provisionally preserved (e.g., by sulphur dioxide gas, in brine, in sulphur water or in other preservative solutions), but unsuitable in that state for immediate consumption |
| -054.85 | Apricot, peach or plum stones and kernels, fresh or dried, whether or not ground |
| 057 | Fruit and nuts (not including oil nuts), fresh or dried |
| 061.6 | Natural honey |
| 071.11 | Coffee, not roasted, not decaffeinated |
| 072.1 | Cocoa beans, whole or broken, raw or roasted |
| 074.12 | Other green tea (not fermented), whether or not flavoured |
| 074.14 | Other black tea (fermented) and other partly fermented tea, whether or not flavoured |
| 074.31 | Maté |
| 075 | Spices |
| 081.1 | Hay and fodder, green or dry |
| -081.19 | Vegetable residues and by-products, vegetable materials and vegetable waste, whether or not in the form of pellets, of a kind used for animal food, n.e.s. |
| 098.92 | Edible products of animal origin, n.e.s. |
| 121.1 | Tobacco, not stemmed/stripped |
| 121.2 | Tobacco, wholly or partly stemmed/stripped |
| 211.99 | Hides and skins, n.e.s., raw (fresh, or salted, dried, limed, pickled or otherwise preserved, but not tanned, parchment-dressed or further prepared), whether or not dehaired or split |
| 212 | Furskins, raw (including heads, tails, paws and other pieces or cuttings, suitable for furriers' use), other than hides and skins of group 211 |
| 22 | Oil-seeds and oleaginous fruits |
| -223.9 | Flours and meals of oil-seeds or oleaginous fruits (excluding mustard flour), non-defatted, partially defatted, or defatted and wholly or partially refatted with their original oils |
| 231 | Natural rubber, balata, gutta-percha, guayule, chicle and similar natural gums, in primary forms (including latex) or in plates, sheets or strip |
| 244.03 | Cork, natural, raw or simply prepared |
| 245.01 | Fuel wood, in logs, in billets, in twigs, in faggots or in similar forms (excluding wood waste) |
| 247.4 | Wood of coniferous species, in the rough (whether or not stripped of bark or sapwood) or roughly squared, but not treated with paint, stains or other preservatives |


| 247.5 | Wood of non-coniferous species, in the rough (whether or not stripped of bark or sapwood) or roughly squared, but not treated with paint, stains or other preservatives |
| :---: | :---: |
| 261.41 | Silkworm cocoons suitable for reeling |
| 263.1 | Cotton (other than linters), not carded or combed |
| 264.1 | Jute and other textile bast fibres, raw or retted |
| 265.11 | Flax, raw or processed but not spun; flax tow and waste (including yarn waste and garnetted stock)....raw or retted |
| 265.21 | True hemp (Cannabis sativa L.), raw or processed but not spun; tow and waste of true hemp (including yarn waste and garnetted stock)....raw or retted |
| 265.41 | Sisal and other textile fibres of the genus Agave, raw or processed but not spun; tow and waste of these fibres (including yarn waste and garnetted stock)....raw |
| 265.51 | Abaca (Manila hemp or Musa textilis Née), raw or processed but not spun; tow, noils and waste of abaca (including yarn waste and garnetted stock)....raw |
| 265.71 | Coconut fibres (coir); tow, noils and waste of these fibres (including yarn waste and garnetted stock)....raw |
| 265.81 | Vegetable textile fibres, n.e.s., raw or processed but not spun; tow, noils and waste of these fibres (including yarn waste and garnetted stock)....raw |
| 268.11 | Wool, greasy (including fleece-washed wool)....shorn |
| 268.3 | Fine animal hair, not carded or combed |
| 268.5 | Horsehair and other coarse animal hair, not carded or combed |
| 291.15 | Coral and similar materials, unworked or simply prepared but not otherwise worked; shells and cuttle-bone, unworked or simply prepared but not cut to shape; powder and waste thereof |
| 291.94 | Bovine semen |
| 291.97 | Natural sponges of animal origin |
| 292 | Crude vegetable materials, n.e.s. |
| 431.42 | Other |
| 634.91 | Hoopwood; split poles; piles, pickets and stakes of wood, pointed but not sawn lengthwise; wooden sticks, roughly trimmed but not turned, bent or otherwise worked, suitable for the manufacture of walking-sticks, umbrellas, tool handles or the like; chipwood and the like |
| 667.11 | Natural pearls |
| 667.12 | Cultured pearls, unworked |

## Mining and quarrying of energy producing materials (10+11+12)

| 278.96 | Bituminous or oil shale and tar sands |
| :--- | :--- |
| 286 | Uranium or thorium ores and concentrates |
| 321 | Coal, whether or not pulverized, but not agglomerated |
| 322 | Briquettes, lignite and peat |
| 333 | Petroleum oils and oils obtained from bituminous minerals, crude |
| 343 | Natural gas, whether or not liquefied |

## Mining and quarrying except energy producing materials (13+14)

| 272.3 | Natural calcium phosphates, natural aluminium calcium phosphates and phosphatic chalk |
| :--- | :--- |
| 272.4 | Carnallite, sylvite and other crude natural potassium salts |
| 273.1 | Building or monumental (dimension) stone, not further worked than roughly trimmed or merely <br> cut, by sawing or otherwise, into blocks or slabs of a rectangular (including square) shape |
| 273.22 | Limestone flux; limestone and other calcareous stone of a kind used for the manufacture of lime or <br> cement |
| 273.23 | Gypsum; anhydrite |
| 273.3 | Natural sands of all kinds, whether or not coloured (other than metal-bearing sands of division 28) |
| 273.4 | Pebbles, gravel, broken or crushed stone, of a kind commonly used for concrete aggregates, for <br> road metalling or for railway or other ballast, shingle and flint, whether or not heat-treated; <br> macadam of slag, dross or similar industrial waste, whether or not incorporating materials cited in <br> the first part of the heading; tarred macadam; granules, chippings and powder of stones of heading <br> 273.12 or 273.13, whether or not heat-treated |
| 274.1 | Sulphur of all kinds (other than sublimed sulphur, precipitated sulphur and colloidal sulphur) |
| 274.2 | Iron pyrites, unroasted |


| 277.11 | Industrial diamonds, sorted, whether or not worked....unworked or simply sawn, cleaved or bruted |
| :--- | :--- |
| 277.22 | Pumice-stone; emery; natural corundum, natural garnet and other natural abrasives, crude or in <br> irregular pieces, including crushed pumice ("bimskies") |
| 277.29 | Pumice-stone; emery; natural corundum, natural garnet and other natural abrasives, other than <br> crude, whether or not heat-treated |
| 278 | Other crude minerals |
| -278.61 | Granulated slag (slag sand) from the manufacture of iron or steel |
| -278.62 | Slag, dross (other than granulated slag), scalings and other waste from the manufacture of iron or <br> steel |
| -278.96 | Bituminous or oil shale and tar sands |
| 281.5 | Iron ore and concentrates, not agglomerated |
| 281.6 | Iron ore agglomerates (sinters, pellets, briquettes, etc.) |
| 283.1 | Copper ores and concentrates |
| 284.1 | Nickel ores and concentrates |
| 285.1 | Aluminium ores and concentrates |
| 287 | Ores and concentrates of base metals, n.e.s. |
| 289.1 | Precious metal ores and concentrates |
| 667.21 | Diamonds (other than sorted industrial diamonds), whether or not worked, but not mounted or <br> set....rough, unsorted |
| 667.22 | Diamonds (other than sorted industrial diamonds), whether or not worked, but not mounted or <br> set....sorted (other than industrial diamonds), unworked or simply sawn, cleaved or bruted |
| 667.31 | Precious stones (other than diamonds) and semiprecious stones, whether or not worked or graded <br> but not strung, mounted or set; ungraded precious stones (other than diamonds) and semiprecious <br> stones, temporarily strung for convenience of transport....unworked or simply sawn or roughly <br> shaped |

Manufacture of food products; beverages and tobacco (15+16)

| 01 | Meat and meat preparations |
| :--- | :--- |
| -012.92 | Frogs' legs |
| -012.93 | Snails (other than sea snails) |
| 02 | Dairy products and birds' eggs |
| -025.1 | Birds' eggs, in shell, fresh, preserved or cooked |
| 034.19 | Fish livers and roes, fresh or chilled |
| 034.2 | Fish, frozen (excluding fillets and minced fish) |
| 034.4 | Fish fillets, frozen |
| 034.5 | Fish fillets, fresh or chilled, and other fish meat (whether or not minced), fresh, chilled or frozen |
| 035 | Fish, dried, salted or in brine; smoked fish (whether or not cooked before or during the smoking <br> process); flours, meals and pellets of fish, fit for human consumption |
| 036.1 | Crustaceans, frozen |
| 036.37 | Cuttlefish, octopus and squid, frozen, dried, salted or in brine; flours, meals and pellets thereof, fit <br> for human consumption |
| 036.39 | Other molluscs and aquatic invertebrates, frozen, dried, salted or in brine, including flours, meals <br> and pellets of aquatic invertebrates other than crustaceans, fit for human consumption |
| 037 | Fish, crustaceans, molluscs and other aquatic invertebrates, prepared or preserved, n.e.s. |
| 042.2 | Rice, husked but not further prepared (cargo rice or brown rice) |
| 042.3 | Rice, semi-milled or wholly milled, whether or not polished, glazed, parboiled or converted <br> (including broken rice) |
| 046 | Meal and flour of wheat and flour of meslin |
| 047 | Other cereal meals and flours |
| 048 | Cereal preparations and preparations of flour or starch of fruits or vegetables |
| 054.6 | Vegetables (uncooked or cooked by steaming or boiling in water), frozen |
| 054.7 | Vegetables provisionally preserved (e.g., by sulphur dioxide gas, in brine, in sulphur water or in <br> other preservative solutions), but unsuitable in that state for immediate consumption |
| 054.85 | Apricot, peach or plum stones and kernels, fresh or dried, whether or not ground |
| 056 | Vegetables, roots and tubers, prepared or preserved, n.e.s. |
| 058 | Fruit, preserved, and fruit preparations (excluding fruit juices) |


| 059 | Fruit juices (including grape must) and vegetable juices, unfermented and not containing added spirit, whether or not containing added sugar or other sweetening matter |
| :---: | :---: |
| 06 | Sugars, sugar preparations and honey |
| -061.6 | Natural honey |
| 07 | Coffee, tea, cocoa, spices, and manufactures thereof |
| -071.11 | Coffee, not roasted, not decaffeinated |
| -071.13 | Coffee husks and skins |
| -072.1 | Cocoa beans, whole or broken, raw or roasted |
| -072.5 | Cocoa shells, husks, skins and other cocoa waste |
| -074.12 | Other green tea (not fermented), whether or not flavoured |
| -074.14 | Other black tea (fermented) and other partly fermented tea, whether or not flavoured |
| -074.31 | Maté |
| -075 | Spices |
| 081.3 | Oilcake and other solid residues (except dregs), whether or not ground or in the form of pellets, resulting from the extraction of fats or oils from oilseeds, oleaginous fruits and germs of cereals |
| 081.4 | Flours, meals and pellets, of meat or meat offal, of fish or of crustaceans, molluscs or other aquatic invertebrates, unfit for human consumption; greaves |
| 081.95 | Dog or cat food, put up for retail sale |
| 081.99 | Preparations of a kind used for animal food, n.e.s. |
| 09 | Miscellaneous edible products and preparations |
| -098.92 | Edible products of animal origin, n.e.s. |
| 11 | Beverages |
| 122 | Tobacco, manufactured (whether or not containing tobacco substitutes) |
| 211 | Hides and skins (except furskins), raw |
| -211.9 | Hides and skins, n.e.s.; waste and used leather |
| 223.9 | Flours and meals of oil-seeds or oleaginous fruits (excluding mustard flour), non-defatted, partially defatted, or defatted and wholly or partially refatted with their original oils |
| 263.2 | Cotton linters |
| 268.19 | Wool, greasy (including fleece-washed wool)....other |
| 291.96 | Products of fish or crustaceans, molluscs or other aquatic invertebrates; dead animals of division 03, unfit for human consumption |
| 41 | Animal oils and fats |
| -411.34 | Wool grease, crude |
| -411.35 | Wool grease (other than crude) and fatty substances derived from wool grease (including lanolin) |
| 42 | Fixed vegetable fats and oils, crude, refined or fractionated |
| 431.2 | Animal or vegetable fats and oils and their fractions, partly or wholly hydrogenated, interesterified, re-esterified or elaidinized, whether or not refined, but not further prepared |
| 431.33 | Degras; residues resulting from the treatment of fatty substances or animal or vegetable waxes |
| 431.41 | Vegetable waxes |
| 512.15 | Undenatured ethyl alcohol of an alcoholic strength by volume of 80\% or higher |
| 512.16 | Ethyl alcohol and other spirits, denatured, of any strength |
| 592.1 | Starches, inulin and wheat gluten |
| 592.21 | Casein |
| 592.26 | Dextrins and other modified starches |

Manufacture of textiles, textile products, leather and leather products (17+18+19)

| 261.3 | Raw silk (not thrown) |
| :--- | :--- |
| 261.49 | Other silk waste |
| 263.4 | Cotton, carded or combed |
| 264.9 | Other |
| 265.12 | Flax, raw or processed but not spun; flax tow and waste (including yarn waste and garnetted <br> stock) ....broken, scutched, hackled or otherwise processed, but not spun |
| 265.13 | Flax, raw or processed but not spun; flax tow and waste (including yarn waste and garnetted <br> stock) ....tow and waste (including yarn waste and garnetted stock) |
| 265.29 | True hemp (Cannabis sativa L.), raw or processed but not spun; tow and waste of true hemp <br> (including yarn waste and garnetted stock)....other |


| 265.49 | Sisal and other textile fibres of the genus Agave, raw or processed but not spun; tow and waste of these fibres (including yarn waste and garnetted stock)....other |
| :---: | :---: |
| 265.59 | Abaca (Manila hemp or Musa textilis Née), raw or processed but not spun; tow, noils and waste of abaca (including yarn waste and garnetted stock)....other |
| 265.79 | Coconut fibres (coir); tow, noils and waste of these fibres (including yarn waste and garnetted stock)....other |
| 265.89 | Vegetable textile fibres, n.e.s., raw or processed but not spun; tow, noils and waste of these fibres (including yarn waste and garnetted stock)....other |
| 266.7 | Synthetic staple fibres, carded, combed or otherwise processed for spinning |
| 267.13 | Artificial staple fibres, carded, combed or otherwise processed for spinning |
| 268.2 | Other wool, not carded or combed |
| 268.63 | Noils of wool or of fine animal hair, not garnetted |
| 268.7 | Wool and fine or coarse animal hair, carded or combed (including combed wool in fragments) |
| 411.34 | Wool grease, crude |
| 411.35 | Wool grease (other than crude) and fatty substances derived from wool grease (including lanolin) |
| 61 | Leather, leather manufactures, n.e.s., and dressed furskins |
| 65 | Textile yarn, fabrics, made-up articles, n.e.s., and related products |
| -651.5 | Synthetic filament yarn (other than sewing thread), textured, not put up for retail sale, including monofilament of less than 67 decitex |
| -651.62 | High tenacity yarn of nylon or other polyamides or of polyesters, not put up for retail sale |
| -651.63 | Other yarn, single, untwisted or with a twist not exceeding 50 turns per metre, not put up for retail sale |
| -651.64 | Other yarn, single, with a twist exceeding 50 turns per metre, not put up for retail sale |
| -651.72 | Textured artificial filament yarn, not put up for retail sale |
| -651.73 | High tenacity yarn of viscose rayon, not put up for retail sale |
| -651.74 | Other yarn, single, of viscose rayon, untwisted or with a twist not exceeding 120 turns per metre, not put up for retail sale |
| -651.75 | Other artificial filament yarn, single |
| -651.77 | Artificial monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm ; strip and the like (e.g., artificial straw) of artificial textile materials of an apparent width not exceeding 5 mm |
| -651.88 | Synthetic monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm ; strip and the like (e.g., artificial straw) of synthetic textile materials of an apparent width not exceeding 5 mm |
| -651.95 | Slivers, rovings, yarn and chopped strands, of glass fibres |
| -657.35 | Textile wall coverings |
| -659.1 | Linoleum and similar floor coverings |
| 821.27 | Sleeping-bags |
| 821.29 | Other articles of bedding |
| 83 | Travel goods, handbags and similar containers |
| 84 | Articles of apparel and clothing accessories |
| -848.2 | Articles of apparel and clothing accessories (including gloves), for all purposes, of plastics or of vulcanized rubber (other than hard rubber) |
| -848.44 | Safety headgear, whether or not lined or trimmed |
| -848.45 | Headgear, n.e.s., of rubber or plastics, whether or not lined or trimmed |
| 85 | Footwear |
| 885.93 | Watch-straps, watchbands and watch bracelets, and parts thereof, of material other than metal |
| 899.96 | Parachutes (including dirigible parachutes) and rotochutes; parts thereof and accessories thereto |

## Manufacture of wood and wood products (20)

| 244.02 | Cork, natural, debacked or roughly squared, or in rectangular blocks, plates, sheets or strip <br> (including sharp-edged blanks for corks and stoppers) |
| :--- | :--- |
| 244.04 | Waste cork; crushed, granulated or ground cork |
| 246.1 | Wood in chips or particles |
| 247.3 | Wood in the rough (whether or not stripped of bark or sapwood) or roughly squared, treated with <br> paint, stains or other preservatives |


| 248 | Wood, simply worked, and railway sleepers of wood |
| :--- | :--- |
| 63 | Cork and wood manufactures (excluding furniture) |
| -634.91 | Hoopwood; split poles; piles, pickets and stakes of wood, pointed but not sawn lengthwise; wooden <br> sticks, roughly trimmed but not turned, bent or otherwise worked, suitable for the manufacture of <br> walking-sticks, umbrellas, tool handles or the like; chipwood and the like |
| 899.7 | Basketware, wickerwork and other articles of plaiting materials, n.e.s.; brooms, brushes, paint <br> rollers, squeegees and mops |
| -899.72 | Brooms, brushes (including brushes constituting parts of machines, appliances or vehicles), <br> hand-operated mechanical floor sweepers, not motorized, mops and feather dusters; prepared knots <br> and tufts for broom or brush making; paint pads and rollers; squeegees (other than roller <br> squeegees) |

## Manufacture of pulp, paper and paper products; publishing and printing (21+22)

| 25 | Pulp and waste paper |
| :--- | :--- |
| -251.1 | Waste and scrap of paper or paperboard |
| 64 | Paper, paperboard and articles of paper pulp, of paper or of paperboard |
| 657.35 | Textile wall coverings |
| 659.11 | Floor coverings on a base of paper or of paperboard, whether or not cut to size |
| 726.35 | Printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and <br> lithographic stones, prepared for printing purposes (e.g., planed, grained or polished) |
| 892 | Printed matter |
| -892.82 | Plans and drawings for architectural, engineering, industrial, commercial, topographical or similar <br> purposes, being originals drawn by hand; handwritten texts; photographic reproductions on <br> sensitized paper and carbon copies of the foregoing |
| 898.6 | Magnetic tapes, recorded |
| 898.7 | Records and other recorded media (excluding magnetic tapes) for sound or other similarly recorded <br> phenomena (including matrices and masters for the production of records, but excluding products <br> of group 883) |
| Manufacture of coke, refined petroleum products and nuclear fuel (23) |  |
| 325 | Coke and semi-coke (including char) of coal, of lignite or of peat, whether or not agglomerated; <br> retort carbon |
| 334.11 | Motor spirit (gasoline), including aviation spirit |
| 335.1 | Petroleum jelly; paraffin wax, microcrystalline petroleum wax, slack wax, ozokerite, lignite wax, <br> peat wax, other mineral waxes, and similar products obtained by synthesis or by other processes, <br> whether or not coloured |
| 335.21 | Tar distilled from coal, from lignite or from peat, and other mineral tars, whether or not dehydrated <br> or partially distilled (including reconstituted tars) |
| 335.41 | Petroleum bitumen and other residues of petroleum oils or of oils obtained from bituminous <br> minerals |
| 335.42 | Petroleum coke |
| 342 | Liquefied propane and butane <br> 344 |
| 525.1 | Retroleum gases and other gaseous hydrocarbons, n.e.s. <br> elements and isotopes) and their compounds; mixtures and residues containing these products |
| -525.17 | Spent (irradiated) fuel elements (cartridges) of nuclear reactors |
| 718.77 | Fuel elements (cartridges), non-irradiated |

## Manufacture of chemicals and chemical products (24)

| 232.1 | Synthetic rubber and factice derived from oils, in primary forms or in plates, sheets or strip; <br> mixtures of any product of group 231 with any product of this subgroup, in primary forms or in <br> plates, sheets or strip |
| :--- | :--- |
| 245.02 | Wood charcoal (including shell or nut charcoal), whether or not agglomerated |
| 266.5 | Synthetic staple fibres, not carded, combed or otherwise processed for spinning |
| 266.6 | Synthetic filament tow |
| 267.11 | Artificial staple fibres, not carded, combed or otherwise processed for spinning |


| 267.12 | Artificial filament tow |
| :---: | :---: |
| 272.1 | Animal or vegetable fertilizers, whether or not mixed together or chemically treated; fertilizers produced by the mixing or chemical treatment of animal or vegetable products |
| 272.2 | Sodium nitrate |
| 274.19 | Other |
| 281.4 | Roasted iron pyrites (pyrites cinders), whether or not agglomerated |
| 335.2 | Mineral tars and products of their distillation (including similar products obtained by processing petroleum or by any other process) |
| -335.21 | Tar distilled from coal, from lignite or from peat, and other mineral tars, whether or not dehydrated or partially distilled (including reconstituted tars) |
| 335.3 | Pitch and pitch coke, obtained from coal tar or from other mineral tars |
| 431.1 | Fats and oils and their fractions, animal or vegetable, boiled, oxidized, dehydrated, sulphurized, blown, polymerized by heat in vacuum or in inert gas or otherwise chemically modified (excluding those of subgroup 431.2); inedible mixtures or preparations of animal or vegetable fats or oils, or of fractions of different such fats or oils, n.e.s. |
| 431.31 | Fatty acids; acid oils from refining |
| 5 | Chemicals and related products, n.e.s. |
| -512.15 | Undenatured ethyl alcohol of an alcoholic strength by volume of 80\% or higher |
| -512.16 | Ethyl alcohol and other spirits, denatured, of any strength |
| -522.67 | Artificial corundum, whether or not chemically defined |
| -525.1 | Radioactive chemical elements and radioactive isotopes (including the fissile or fertile chemical elements and isotopes) and their compounds; mixtures and residues containing these products |
| -579 | Waste, parings and scrap, of plastics |
| -58 | Plastics in non-primary forms |
| -592.1 | Starches, inulin and wheat gluten |
| -592.21 | Casein |
| -592.26 | Dextrins and other modified starches |
| -598.12 | Residual lyes from the manufacture of wood pulp, whether or not concentrated, desugared or chemically treated (including lignin sulphonates, but excluding tall oil) |
| -598.61 | Artificial graphite; colloidal or semi-colloidal graphite; preparations based on graphite or other carbon in the form of pastes, blocks, plates or other semi-manufactures |
| -598.98 | Non-refractory mortars and concretes |
| 651.5 | Synthetic filament yarn (other than sewing thread), textured, not put up for retail sale, including monofilament of less than 67 decitex |
| 651.62 | High tenacity yarn of nylon or other polyamides or of polyesters, not put up for retail sale |
| 651.63 | Other yarn, single, untwisted or with a twist not exceeding 50 turns per metre, not put up for retail sale |
| 651.64 | Other yarn, single, with a twist exceeding 50 turns per metre, not put up for retail sale |
| 651.7 | Artificial filament yarn (other than sewing thread); artificial monofilament, n.e.s.; strip and the like of artificial textile materials, n.e.s. |
| -651.71 | Yarn of artificial filaments (other than sewing thread), put up for retail sale |
| -651.76 | Other artificial filament yarn (other than sewing thread), multiple (folded) or cabled, put up for retail sale |
| 651.88 | Synthetic monofilament of 67 decitex or more and of which no cross-sectional dimension exceeds 1 mm ; strip and the like (e.g., artificial straw) of synthetic textile materials of an apparent width not exceeding 5 mm |
| 667.41 | Piezoelectric quartz |
| 667.42 | Synthetic or reconstructed precious or semiprecious stones, other than piezoelectric quartz, unworked or simply sawn or roughly shaped |
| 882 | Photographic and cinematographic supplies |
| -882.5 | Photographic plates, film, paper, paperboard and textiles, exposed but not developed |
| -882.6 | Photographic plates and film, exposed and developed, other than cinematographic film |
| 895.91 | Writing or drawing ink and other inks (except printing ink), whether or not concentrated or solid |
| 898.4 | Magnetic tapes for sound recording or similar recording of other phenomena |
| 898.5 | Other prepared unrecorded media for sound recording or similar recording of other phenomena (excluding products of group 883) |

## Manufacture of rubber and plastics products (25)

| SITC <br> Code | Description |
| :--- | :--- |
| 232.21 | Reclaimed rubber in primary forms or in plates, sheets or strip |
| 58 | Plastics in non-primary forms |
| 62 | Rubber manufactures, n.e.s. |
| -625.93 | Used pneumatic tyre |
| 657.33 | Rubberized textile fabrics, other than those of heading 657.93 |
| 773.28 | Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of plastic <br> materials apart from any minor components of metal incorporated during moulding solely for <br> purposes of assembly (but not including insulators of heading 773.24) |
| 813.92 | Parts, n.e.s., of the goods of subgroup 813.1 and heading 813.2...of plastics |
| 848.2 | Articles of apparel and clothing accessories (including gloves), for all purposes, of plastics or of <br> vulcanized rubber (other than hard rubber) |
| 848.44 | Safety headgear, whether or not lined or trimmed |
| 848.45 | Headgear, n.e.s., of rubber or plastics, whether or not lined or trimmed |
| 893 | Articles, n.e.s., of plastics |

Manufacture of other non-metallic mineral products (26)

| 273.24 | Plasters (consisting of calcined gypsum or calcium sulphate), whether or not coloured, with or <br> without small quantities of accelerators or retarders (including plasters specially prepared for use in <br> dentistry) |
| :--- | :--- |
| 335.43 | Bituminous mixtures based on natural asphalt, on natural bitumen, on petroleum bitumen, on <br> mineral tar or on mineral tar pitch (e.g., bituminous mastics, cut-backs) |
| 522.67 | Artificial corundum, whether or not chemically defined |
| 598.61 | Artificial graphite; colloidal or semi-colloidal graphite; preparations based on graphite or other <br> carbon in the form of pastes, blocks, plates or other semi-manufactures |
| 598.98 | Non-refractory mortars and concretes |
| 651.95 | Slivers, rovings, yarn and chopped strands, of glass fibres |
| 654.6 | Fabrics, woven, of glass fibres (including narrow fabrics) |
| 66 | Non-metallic mineral manufactures, n.e.s. |
| -667 | Pearls and precious or semiprecious stones, unworked or worked |
| 773.22 | Electrical insulators of glass |
| 773.23 | Electrical insulators of ceramics |
| 773.26 | Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of <br> ceramic materials apart from any minor components of metal (e.g., threaded sockets) incorporated <br> during moulding solely for purposes of assembly (but not including insulators of heading 773.23) |
| 812.2 | Ceramic sinks, wash-basins, wash-basin pedestals, baths, bidets, water-closet pans, flushing <br> cisterns, urinals and similar sanitary fixtures |
| 813.91 | Parts, n.e.s., of the goods of subgroup 813.1 and heading 813.2....of glass |

Manufacture of basic metals (27)

| 283.2 | Copper mattes; cement copper (precipitated copper) |
| :--- | :--- |
| 284.2 | Nickel mattes, nickel oxide sinters and other intermediate products of nickel metallurgy |
| 285.2 | Alumina (aluminium oxide), other than artificial corundum |
| 67 | Iron and steel |
| 68 | Non-ferrous metals |
| 699.8 | Semi-manufactures and articles of cobalt, cadmium, titanium and zirconium, n.e.s. |
| 699.9 | Semi-manufactures and articles of tungsten (wolfram), molybdenum, tantalum, magnesium, and of <br> other base metals, n.e.s. |
| 971.01 | Gold (including gold plated with platinum), non-monetary, unwrought or in semi-manufactured <br> forms, or in powder form |
| 971.02 | Base metals or silver, clad with gold, not further worked than semi-manufactured |

Manufacture of fabricated metal products, except machinery and equipment (28)

| 69 | Manufactures of metals, n.e.s. |
| :--- | :--- |
| -697.3 | Cooking or heating apparatus of a kind used for domestic purposes, non-electric, and parts thereof, <br> of iron, steel or copper |
| -699.8 | Semi-manufactures and articles of cobalt, cadmium, titanium and zirconium, n.e.s. |
| -699.9 | Semi-manufactures and articles of tungsten (wolfram), molybdenum, tantalum, magnesium, and of <br> other base metals, n.e.s. |
| 711 | Steam or other vapour-generating boilers, superheated water boilers, and auxiliary plant for use <br> therewith; parts thereof |
| 718.71 | Nuclear reactors |
| 718.78 | Parts of nuclear reactors |
| 749.91 | Ships' or boats' propellers and blades therefor |
| 811 | Prefabricated buildings |
| 812.11 | Radiators, and parts thereof |
| 891.13 | Swords, cutlasses, bayonets, lances and similar arms, and parts thereof and scabbards and sheaths <br> therefor |
| 895.1 | Office and stationery supplies, of base metal |

Manufacture of machinery and equipment n.e.c. (29)

| 697.3 | Cooking or heating apparatus of a kind used for domestic purposes, non-electric, and parts thereof, <br> of iron, steel or copper |
| :--- | :--- |
| 712 | Steam turbines and other vapour turbines, and parts thereof, n.e.s. |
| 713.3 | Internal combustion piston engines, marine propulsion |
| 713.8 | Internal combustion piston engines, n.e.s. |
| 714.89 | Other gas turbines |
| 714.99 | Parts for the gas turbines of heading 714.89 |
| 718.1 | Hydraulic turbines and water-wheels, and parts thereof |
| 718.9 | Engines and motors, n.e.s. (e.g., wind engines and hot air engines); parts of these engines and <br> motors and of the reaction engines of heading 714.49 |
| 72 | Machinery specialized for particular industries |
| -726.35 | Printing type, blocks, plates, cylinders and other printing components; blocks, plates, cylinders and <br> lithographic stones, prepared for printing purposes (e.g., planed, grained or polished) |
| -726.55 | Offset printing machinery....sheet-fed, office-type (sheet size not exceeding 22 x 36 cm) |
| 73 | Metalworking machinery |
| 74 | General industrial machinery and equipment, n.e.s., and machine parts, n.e.s. |
| -741.83 | Medical, surgical or laboratory sterilizers |
| -745.21 | Dishwashing machines (other than household-type) |
| -749.91 | Ships' or boats' propellers and blades therefor |
| 775 | Household-type electrical and non-electrical equipment, n.e.s. |
| 778.4 | Electromechanical tools for working in the hand, with self-contained electric motor; parts thereof |
| 786.21 | Self-loading or self-unloading trailers and semi-trailers for agricultural purposes |
| 812.1 | Boilers (other than those of group 711) and radiators, for central heating, not electrically heated, <br> and parts thereof, of iron or steel; air heaters and hot-air distributors (including distributors which <br> can also distribute fresh or conditioned air), not electrically heated, incorporating a motor-driven <br> fan or blower, and parts thereof, of iron or steel |
| -812.11 | Radiators, and parts thereof |
| 891 | Arms and ammunition |
| -891.13 | Swords, cutlasses, bayonets, lances and similar arms, and parts thereof and scabbards and sheaths <br> therefor |

Manufacture of office, accounting and computing machinery (30)

| 726.55 | Offset printing machinery....sheet-fed, office-type (sheet size not exceeding $22 \times 36 \mathrm{~cm}$ ) |
| :--- | :--- |
| 75 | Office machines and automatic data-processing machines |

Manufacture of electrical machinery and apparatus n.e.c. (31)

| 716 | Rotating electric plant, and parts thereof, n.e.s. |
| :--- | :--- |
| 745.21 | Dishwashing machines (other than household-type) |
| 771 | Electric power machinery (other than rotating electric plant of group 716), and parts thereof |
| 772 | Electrical apparatus for switching or protecting electrical circuits or for making connections to or in <br> electrical circuits (e.g., switches, relays, fuses, lightning arresters, voltage limiters, surge <br> suppressors, plugs and sockets, lamp-holders and junction boxes); electrical resistors (including <br> rheostats and potentiometers), other than heating resistors; printed circuits; boards, panels <br> (including numerical control panels), consoles, desks, cabinets and other bases, equipped with two <br> or more apparatus for switching, protecting or for making connections to or in electrical circuits, <br> for electric control or the distribution of electricity (excluding switching apparatus of subgroup <br> $764.1)$ |
| -772.2 | Printed circuits |
| -772.3 | Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts <br> thereof |
| 773.1 | Insulated (including enamelled or anodized) wire, cable (including co-axial cable) and other <br> insulated electric conductors, whether or not fitted with connectors; optical fibre cables made up of <br> individually sheathed fibres, whether or not assembled with electric conductors or fitted with <br> connectors |
| 773.24 | Electrical insulators of materials other than glass or ceramics |
| 773.29 | Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of <br> materials other than ceramics or plastics apart from any minor components of metal incorporated <br> during moulding solely for purposes of assembly (but not including insulators of heading 773.22, <br> or 773.24; electrical conduit tubing and joints therefor, of base metal lined with insulating material |
| 778 | Electrical machinery and apparatus, n.e.s. |
| -778.4 | Electromechanical tools for working in the hand, with self-contained electric motor; parts thereof |
| -778.6 | Electrical capacitors, fixed, variable or adjustable (pre-set) |
| 813 | Lighting fixtures and fittings, n.e.s. |
| -813.91 | Parts, n.e.s., of the goods of subgroup 813.1 and heading 813.2....of glass |
| -813.92 | Parts, n.e.s., of the goods of subgroup 813.1 and heading 813.2....of plastics |
| 881.12 | Flash bulbs, flash-cubes and the like |
| 898.41 | Magnetic tapes for sound recording or similar recording of other phenomena....of a width not <br> exceeding 4 mm |

Manufacture of radio, television and communication equipment and apparatus (32)

| 76 | Telecommunications and sound-recording and reproducing apparatus and equipment |
| :--- | :--- |
| -764.83 | Radar apparatus, radio navigational aid apparatus and radio remote control apparatus |
| 772.2 | Printed circuits |
| 772.3 | Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts <br> thereof |
| 776 | Thermionic, cold cathode or photo-cathode valves and tubes (e.g., vacuum or vapour or gas-filled <br> valves and tubes, mercury arc rectifying valves and tubes, cathode-ray tubes, television camera <br> tubes); diodes, transistors and similar semiconductor devices; photosensitive semi-conductor <br> devices; light emitting diodes; mounted piezo-electric crystals; electronic integrated circuits and <br> microassemblies; and parts thereof |
| 778.6 | Electrical capacitors, fixed, variable or adjustable (pre-set) |

Manufacture of medical, precision and optical instruments, watches and clocks (33)

| 741.83 | Medical, surgical or laboratory sterilizers |
| :--- | :--- |
| 764.83 | Radar apparatus, radio navigational aid apparatus and radio remote control apparatus |
| 774 | Electrodiagnostic apparatus for medical, surgical, dental or veterinary purposes, and radiological <br> apparatus |
| 87 | Professional, scientific and controlling instruments and apparatus, n.e.s. |
| -874.52 | Instruments, apparatus or models, designed for demonstrational purposes (e.g., for education or <br> exhibition), unsuitable for other uses |


| 88 | Photographic apparatus, equipment and supplies and optical goods, n.e.s.; watches and clocks |
| :--- | :--- |
| -881.12 | Flash bulbs, flash-cubes and the like |
| -882 | Photographic and cinematographic supplies |
| -883 | Cinematographic film, exposed and developed, whether or not incorporating soundtrack or <br> consisting only of soundtrack |
| -885.93 | Watch-straps, watchbands and watch bracelets, and parts thereof, of material other than metal |
| 899.6 | Orthopaedic appliances (including crutches, surgical belts and trusses); splints and other fracture <br> appliances; artificial parts of the body; hearing-aids and other appliances which are worn or <br> carried or implanted in the body, to compensate for a defect or disability |
| Manufacture of motor vehicles, trailers and semi-trailers (34) |  |
| 713.2 | Internal combustion piston engines for propelling vehicles of division 78, group 722 and headings <br> $744.14, ~ 744.15 ~ a n d ~ 891.11 ~$ |
| 713.9 | Parts, n.e.s, for the internal combustion piston engines of subgroups 713.2, 713.3 and 713.8 |
| 78 | Road vehicles (including air-cushion vehicles) |
| -785 | Motor cycles (including mopeds) and cycles, motorized and non-motorized; invalid carriages |
| -786.21 | Self-loading or self-unloading trailers and semi-trailers for agricultural purposes |
| -786.85 | Vehicles, not mechanically-propelled, n.e.s. |
| Manufacture of other transport equipment (35) |  |
| 713.1 | Internal combustion piston engines for aircraft, and parts thereof, n.e.s. |
| 714 | Engines and motors, non-electric (other than those of groups 712, 713 and 718); parts, n.e.s., of <br> these engines and motors |
| -714.89 | Other gas turbines |
| -714.99 | Parts for the gas turbines of heading 714.89 |
| 785 | Motor cycles (including mopeds) and cycles, motorized and non-motorized; invalid carriages |
| 786.85 | Vehicles, not mechanically-propelled, n.e.s. |
| 79 | Other transport equipment |

Manufacture of furniture; manufacturing n.e.c. (36)

| 269 | Worn clothing and other worn textile articles; rags |
| :--- | :--- |
| 277.19 | Industrial diamonds, sorted, whether or not worked....otherwise worked |
| 277.21 | Dust and powder of natural or synthetic precious or semiprecious stones |
| 659.12 | Linoleum, whether or not cut to shape; floor coverings consisting of a coating or covering applied <br> on a textile backing, whether or not cut to shape |
| 667.13 | Cultured pearls, worked |
| 667.29 | Diamonds (other than sorted industrial diamonds), whether or not worked, but not mounted or <br> set....otherwise worked, but not mounted or set |
| 667.39 | Precious stones (other than diamonds) and semiprecious stones, whether or not worked or graded <br> but not strung, mounted or set; ungraded precious stones (other than diamonds) and semiprecious <br> stones, temporarily strung for convenience of transport....otherwise worked |
| 667.49 | Synthetic or reconstructed precious or semiprecious stones, n.e.s. |
| 82 | Furniture, and parts thereof; bedding, mattresses, mattress supports, cushions and similar stuffed <br> furnishings |
| -821.27 | Sleeping-bags |
| -821.29 | Other articles of bedding |
| 874.52 | Instruments, apparatus or models, designed for demonstrational purposes (e.g., for education or <br> exhibition), unsuitable for other uses |
| 894 | Baby carriages, toys, games and sporting goods |
| -894.41 | Lighting sets of a kind used for Christmas trees |
| 895 | Office and stationery supplies, n.e.s. |
| -895.1 | Office and stationery supplies, of base metal |
| -895.91 | Writing or drawing ink and other inks (except printing ink), whether or not concentrated or solid |
| 897 | Jewellery, goldsmiths' and silversmiths' wares, and other articles of precious or semiprecious <br> materials, n.e.s. |


| 898.1 | Pianos and other string musical instruments |
| :--- | :--- |
| 898.2 | Musical instruments (other than pianos and other string musical instruments) |
| 898.9 | Parts and accessories of musical instruments (e.g., mechanisms for music boxes, perforated cards, <br> discs and rolls for mechanical instruments); metronomes, tuning-forks and pitch-pipes of all kinds |
| 899.1 | Articles and manufactures of carving or moulding materials, n.e.s. |
| 899.2 | Artificial flowers, foliage and fruit, and parts thereof; articles made of artificial flowers, foliage or <br> fruit |
| 899.3 | Candles; matches, pyrophoric alloys, articles of combustible materials; smokers' requisites |
| 899.4 | Umbrellas, sun umbrellas, walking-sticks, seat-sticks, whips, riding crops, and parts thereof |
| 899.72 | Brooms, brushes (including brushes constituting parts of machines, appliances or vehicles), <br> hand-operated mechanical floor sweepers, not motorized, mops and feather dusters; prepared knots <br> and tufts for broom or brush making; paint pads and rollers; squeegees (other than roller <br> squeegees) |
| 899.8 | Smallwares and toilet articles, n.e.s.; sieves; tailors' dummies, etc. |
| 899.9 | Manufactured goods, n.e.s. |
| -899.96 | Parachutes (including dirigible parachutes) and rotochutes; parts thereof and accessories thereto |
| 961 | Coin (other than gold coin), not being legal tender |

(Sources) Author from the file of the Eurostat correspondence table from ISIC Rev. 3 to SITC Rev. 3 on the website of Eurostat. Descriptions of commodities are based on the file on the website of United Nations Statistics Division, supplemented by United Nations [1994].
(Notes)

1. The excluded items are shown with the minus sign (-).
2. The numbers following the name of industry are codes of ISIC Rev. 3.
3. Some SITC items are not included in the Eurostat correspondence table. See note 2 at the end of the text for details.
4. Three SITC items (898.41, 654.6, 657.33) belong to two different industries. See notes from 4 to 5 at the end of the text for details.

[^0]:    (Sources) Author from the United Nations COMTRADE database and the Eurostat correspondence table from ISIC Rev. 3 to SITC Rev. 3 .
    (Notes) (1) See table 1 for the names of industries corresponding to their ISIC codes.

