

Appendix 3

63 GDP-based Figures: G20 & G7 as a whole system

This List mostly presents those figures of G36, G20, and G7; by group and by country, separately from those tables and, similarly as PART Data in the end of the HEU. Those figures clarify differences of data characteristics by group and by country, 1960-2012, up-dated.

First, the author shows the core of GDP-based figures, selecting crucial items in Families I, II, and III. These figures express a bridge between ‘GDP-based’ data in the literature and the author’s ‘purely endogenous’ data, algebraic and geometrical.

Second, those figures prove new-facts findings in GDP-based data, from Families IV, V, VI, VII, VIII, IX, and X. Those figures are consistent each other wholly with the EES and the HEU, beyond space and time.

Finally and conclusively, the essential new findings are presented in Families XI of debts and XII for the G and PRI sectors. Time series and cross section have been united horizontally and vertically with eternal consistency for 100 years or more, comparing GDP-based deficits with debts.

Readers and economists may modestly deepen these implications by *learning by doing*; freely from preoccupation and with respective ideas and experiences.

Here is the list of 63 figures by Family and by Item, at a glance:

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Fig. P&A-2 by G20: GDP-based of Family I-II-III

Fig. P&A-3 by G20: GDP-based of Family I-II-III

Fig. Euro-4 by G20: GDP-based of Family I-II-III

Fig. E&EastE-5 by G20: GDP-based of Family I-II-III

Fig. Rest-6 by G20: GDP-based of Family I-II-III

Fig. P&A-7 by G20: GDP-based real Wages

Fig. P&A-8 by G20: GDP-based real Wages

Fig. P&A-9 by G20: GDP-based real Wages

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Fig. P&A-14 by G20: GDP-based Wages, ac-en
Fig. P&A-15 by G20: GDP-based Wages, ac-en
Fig. Euro-16 by G20: GDP-based Wages, ac-en
Fig. E&EastE-17 by G20: GDP-based Wages, ac-en
Fig. Rest-18 by G20: GDP-based Wages, ac-en

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Fig. Euro-40 by G20: GDP-based Rate of return to capital
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Fig. P&A-44 by G20: GDP-based GDP growth rate and deficit/GDP in Family X
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Cross Section:

- Fig. 53-1 Cross section analysis for 65 countries, 1990-2012, measure-broadly
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- Fig. 55 Cross section Debt & Deficit: for G20, 1990-2012, measure-broadly
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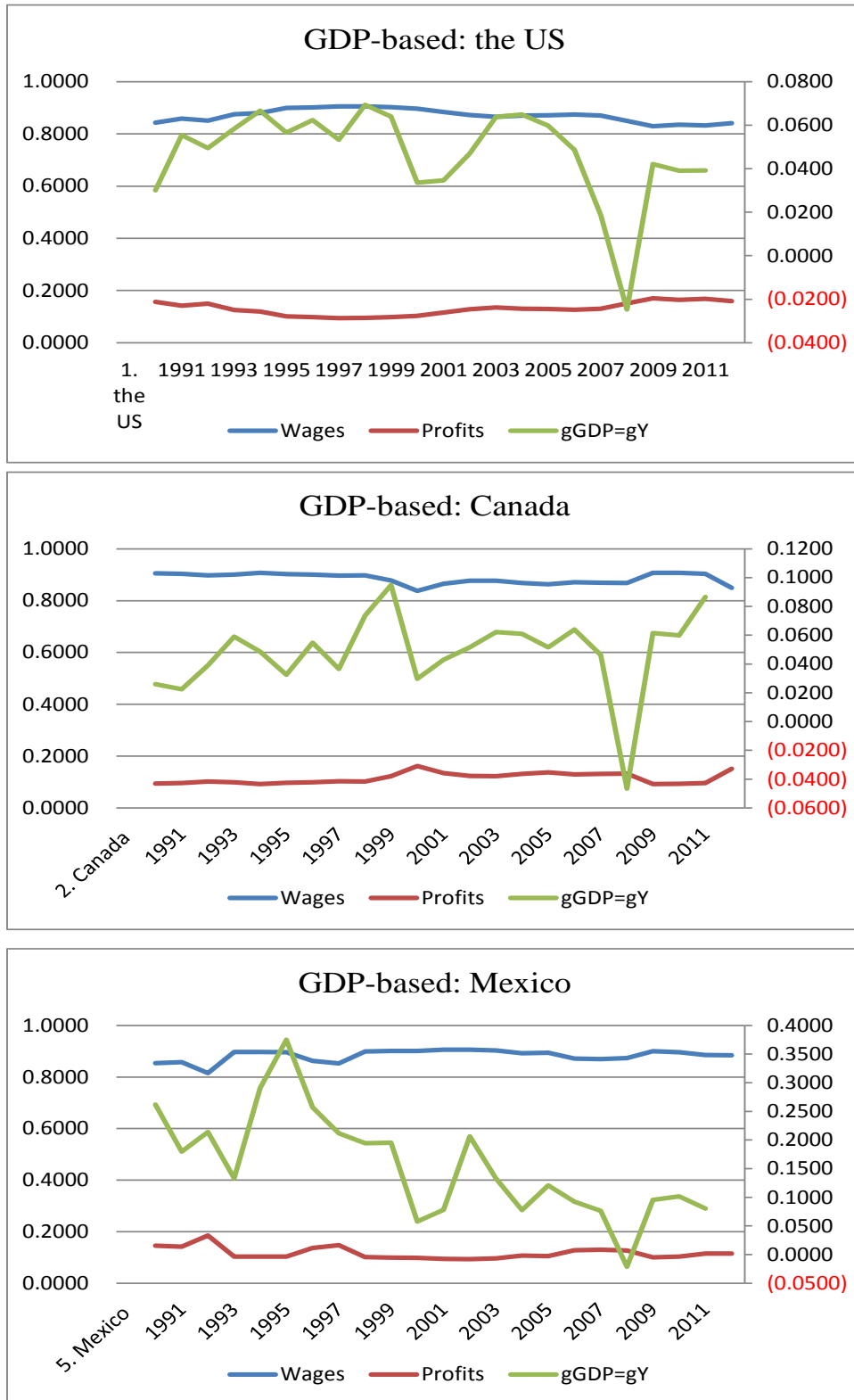


Fig. P&A-1 by G20: GDP-based of Family I-II-III

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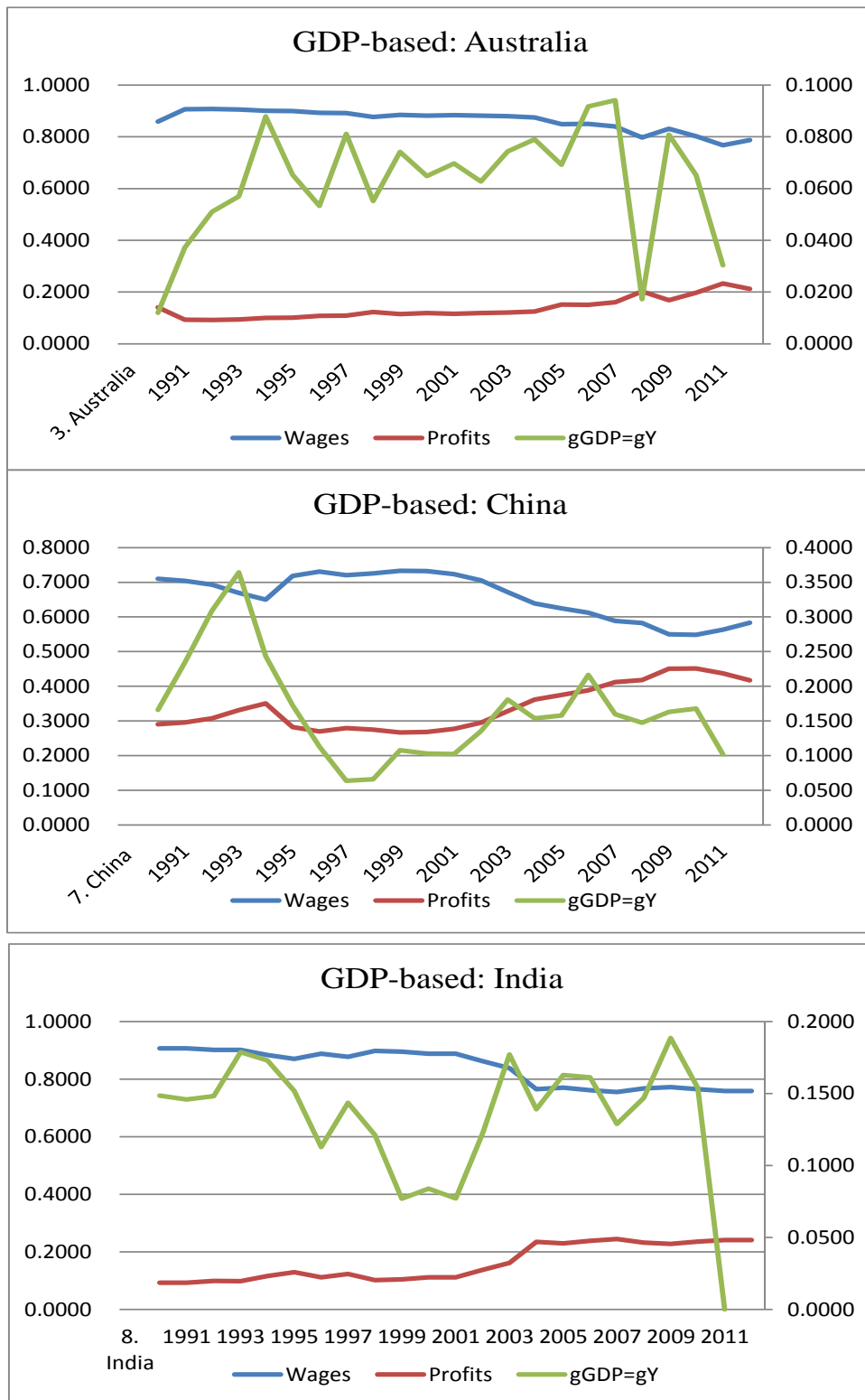


Fig. P&A-2 by G20: GDP-based of Family I-II-III

63 GDP-based Figures: G20 & G7 as a whole system

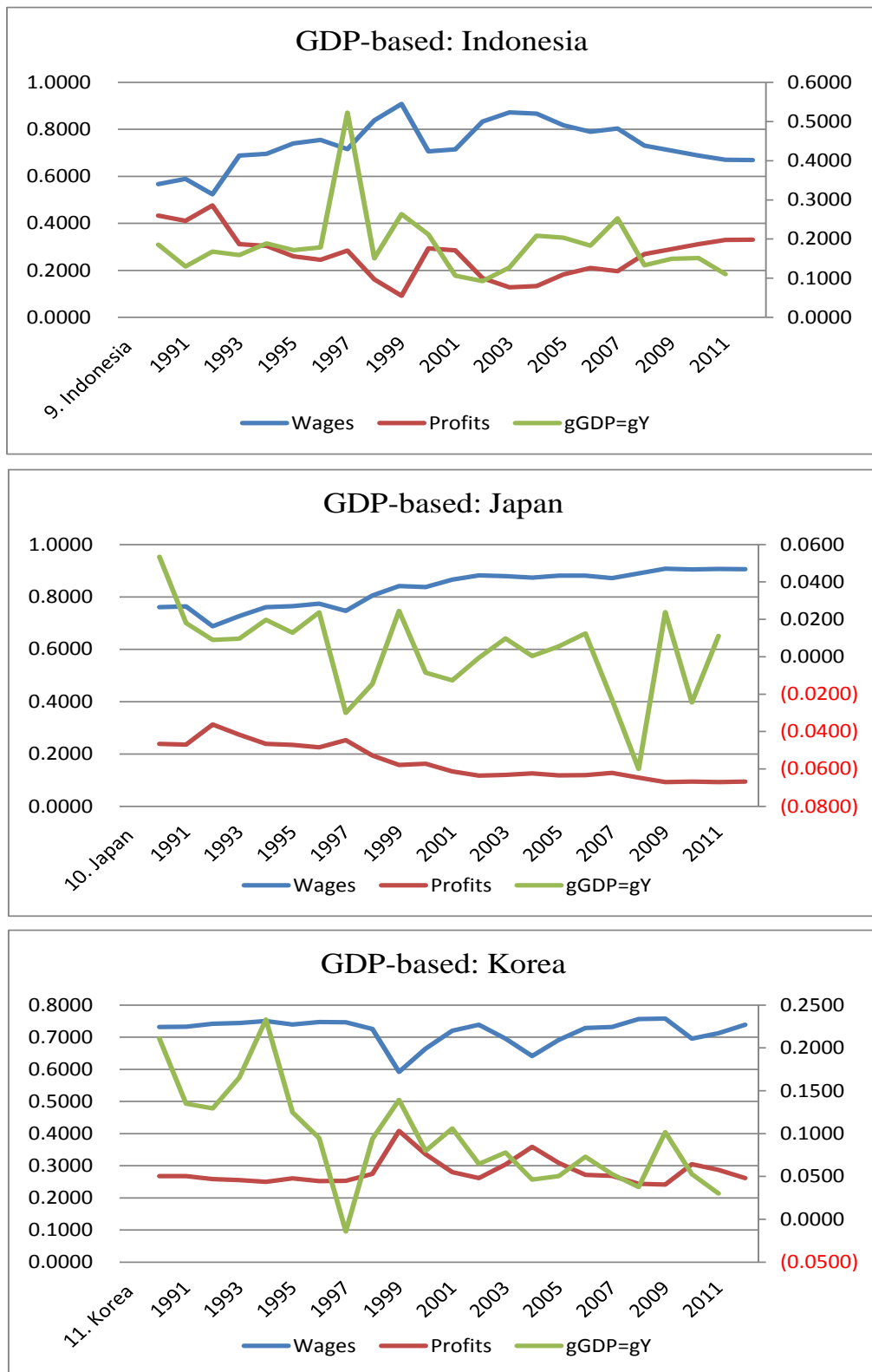


Fig. P&A-3 by G20: GDP-based of Family I-II-III

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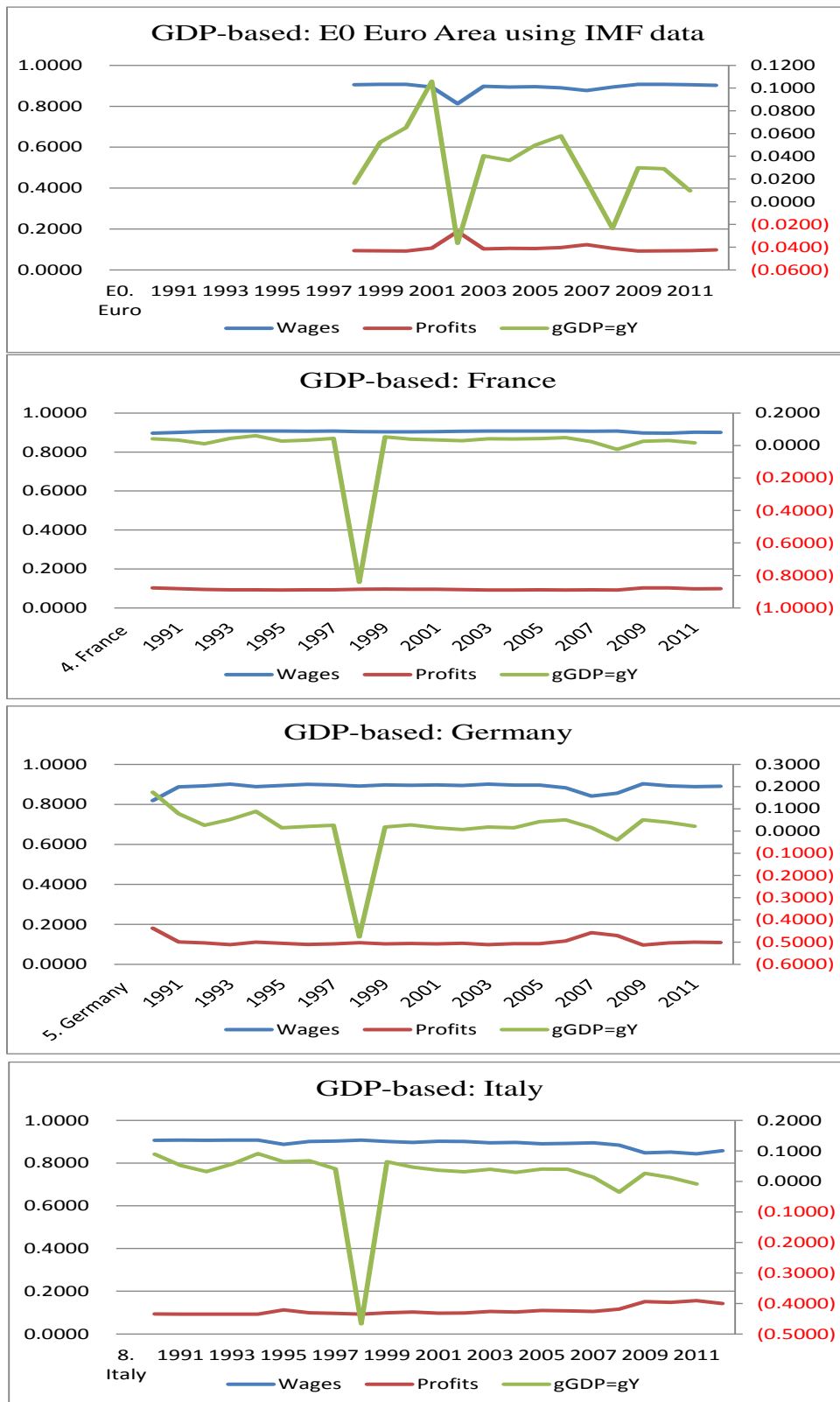


Fig. Euro-4 by G20: GDP-based of Family I-II-III

63 GDP-based Figures: G20 & G7 as a whole system

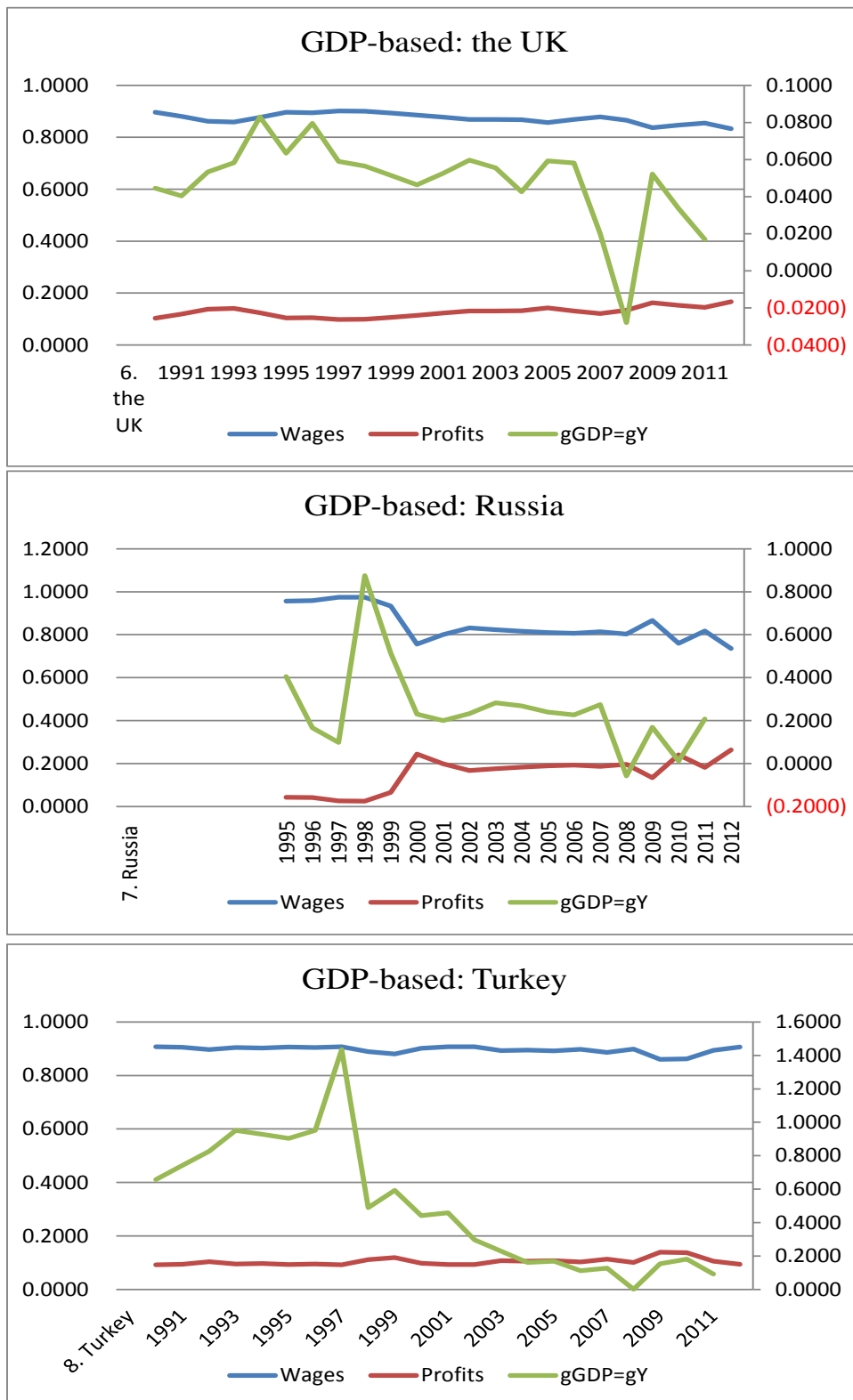


Fig. E&EastE-5 by G20: GDP-based of Family I-II-III

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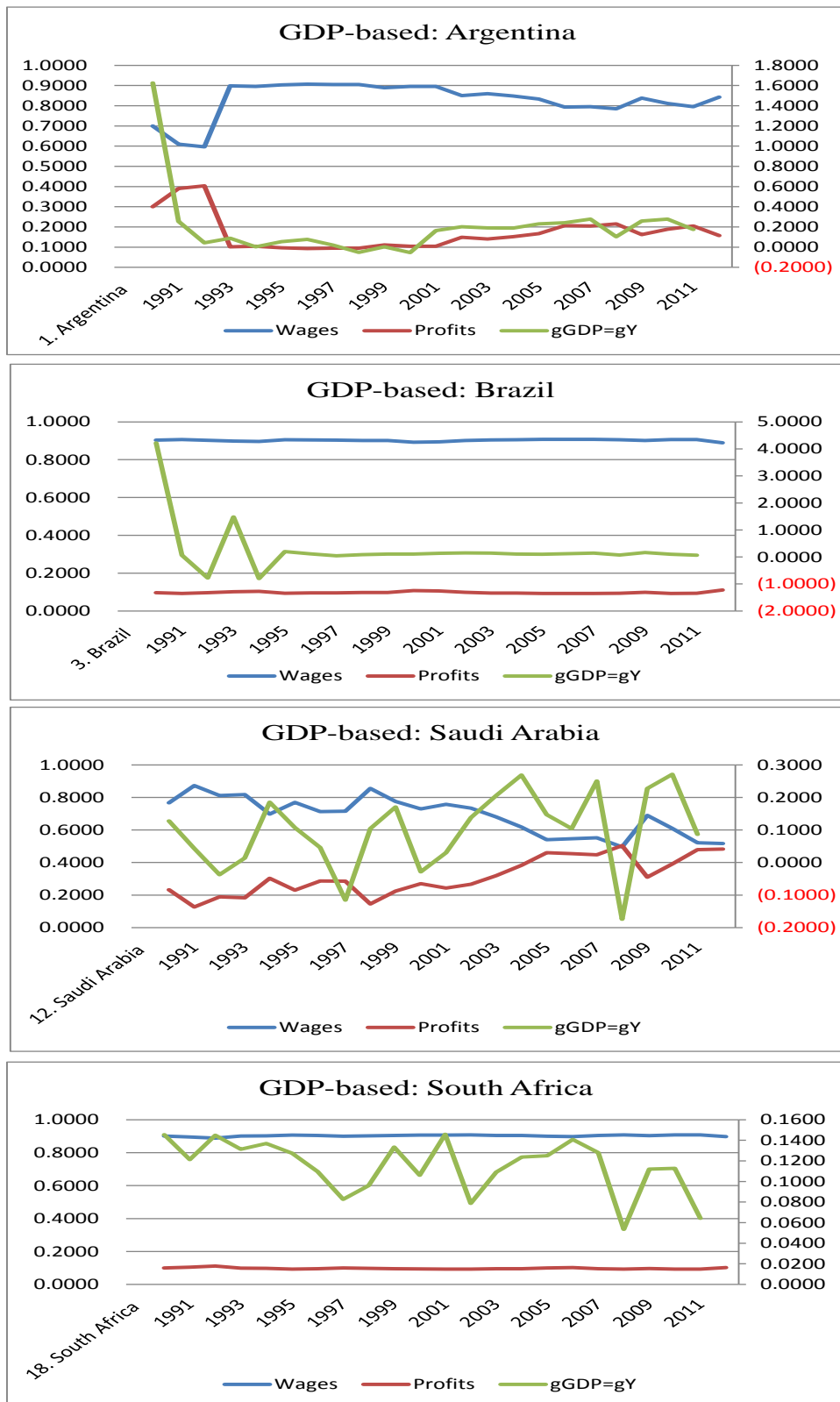


Fig. Rest-6 by G20: GDP-based of Family I-II-III

63 GDP-based Figures: G20 & G7 as a whole system

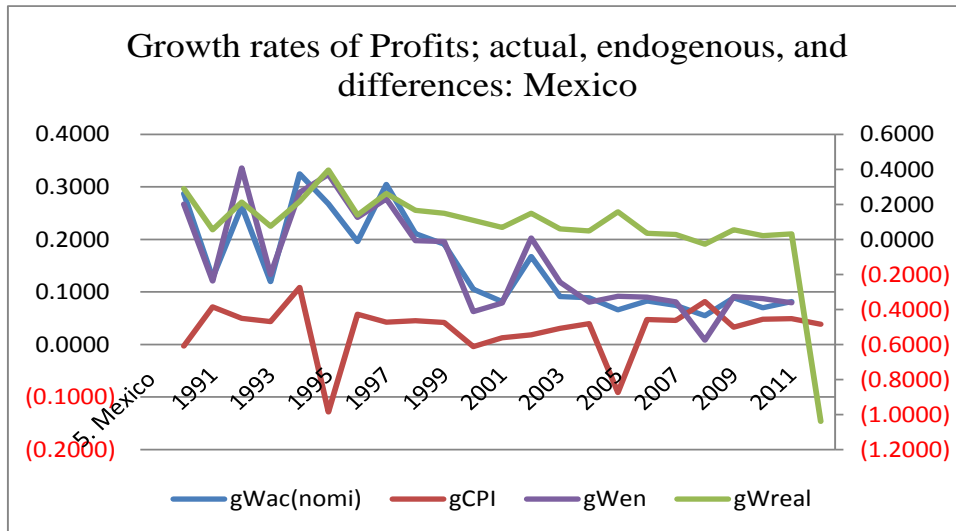
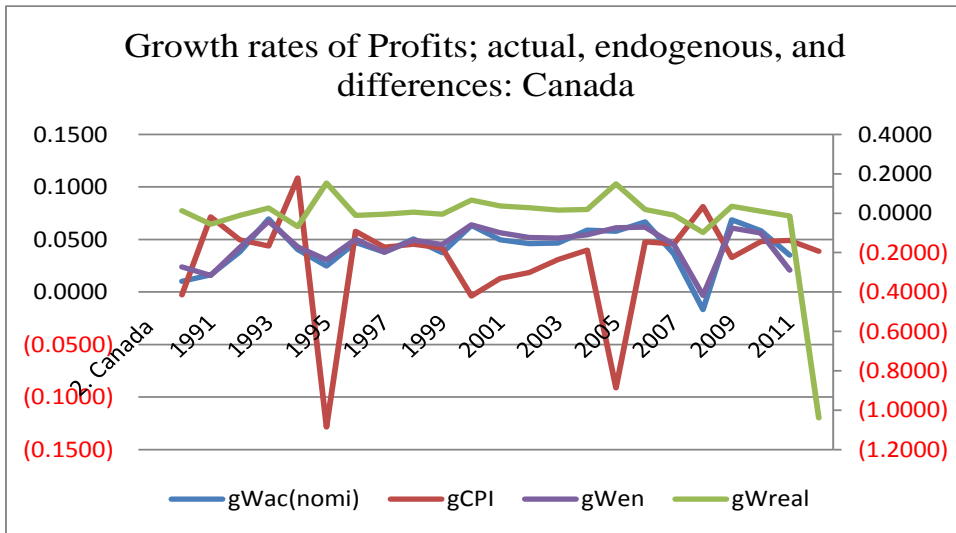
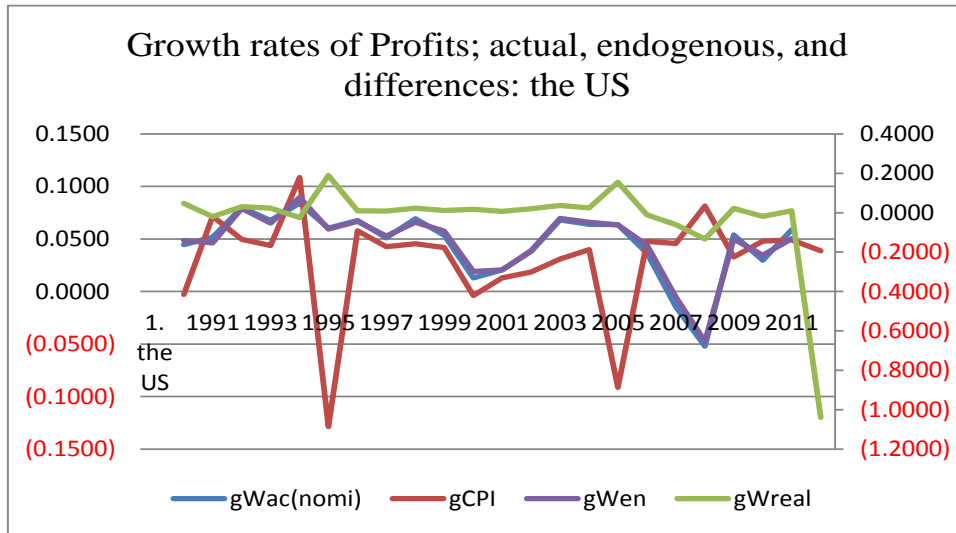


Fig. P&A-7 by G20: GDP-based real Wages

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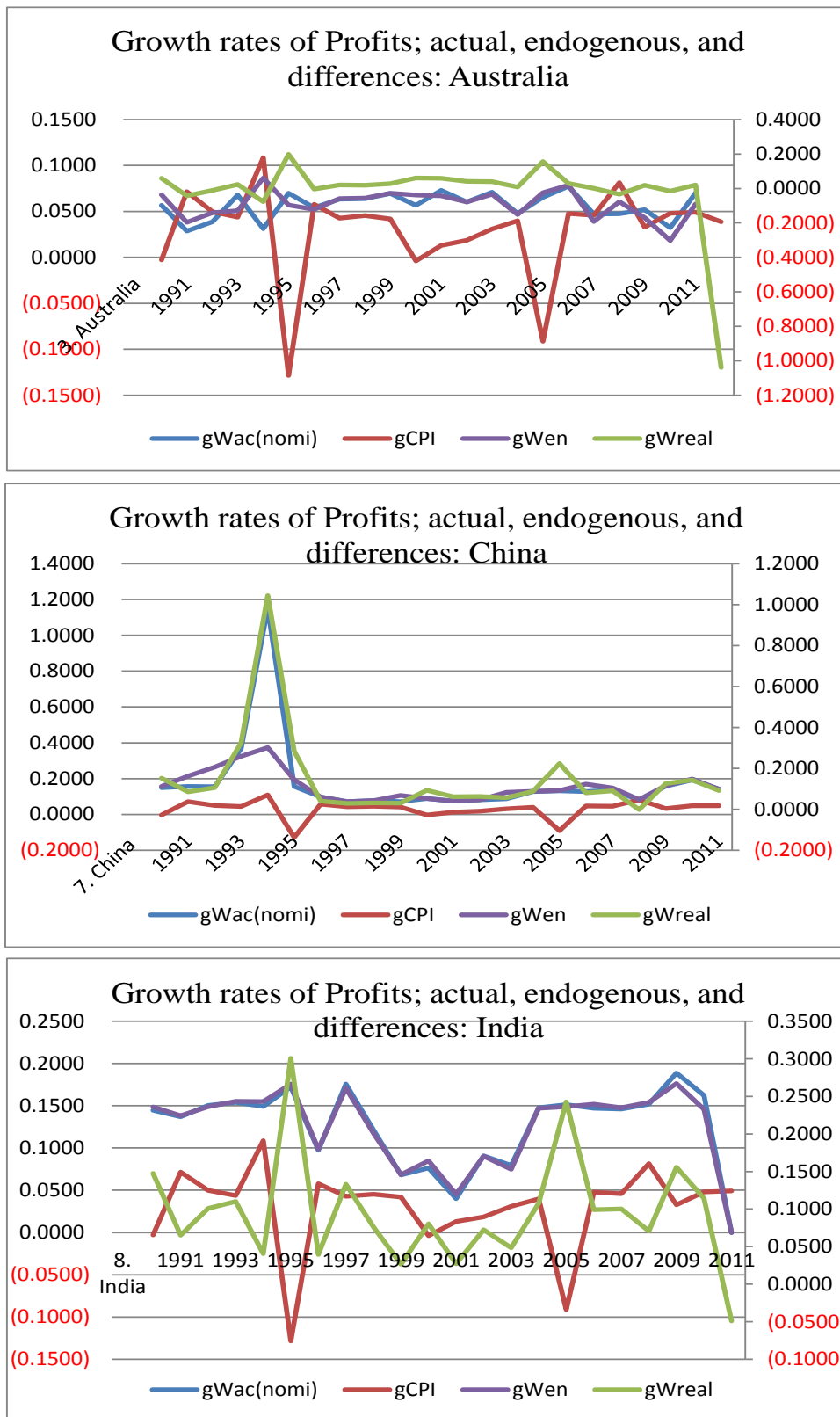


Fig. P&A-8 by G20: GDP-based real Wages

63 GDP-based Figures: G20 & G7 as a whole system

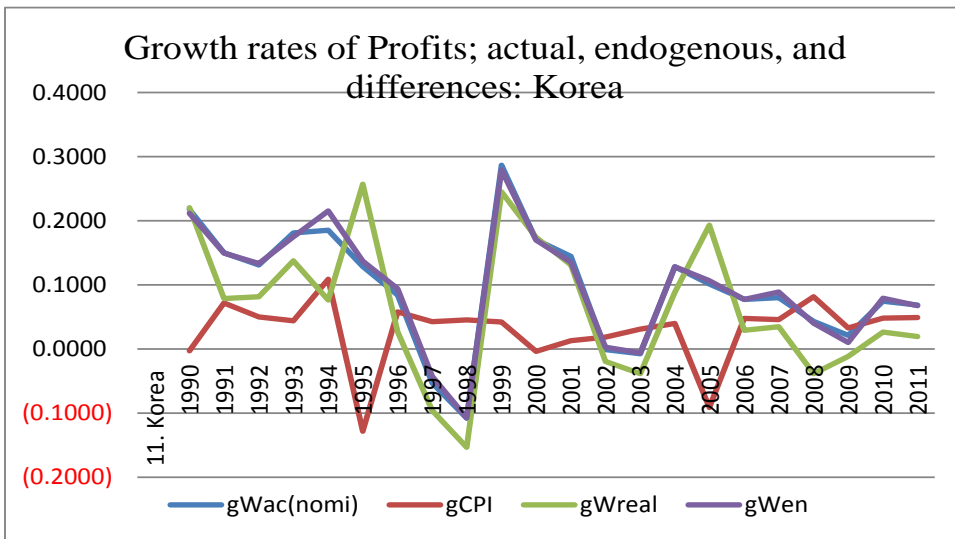
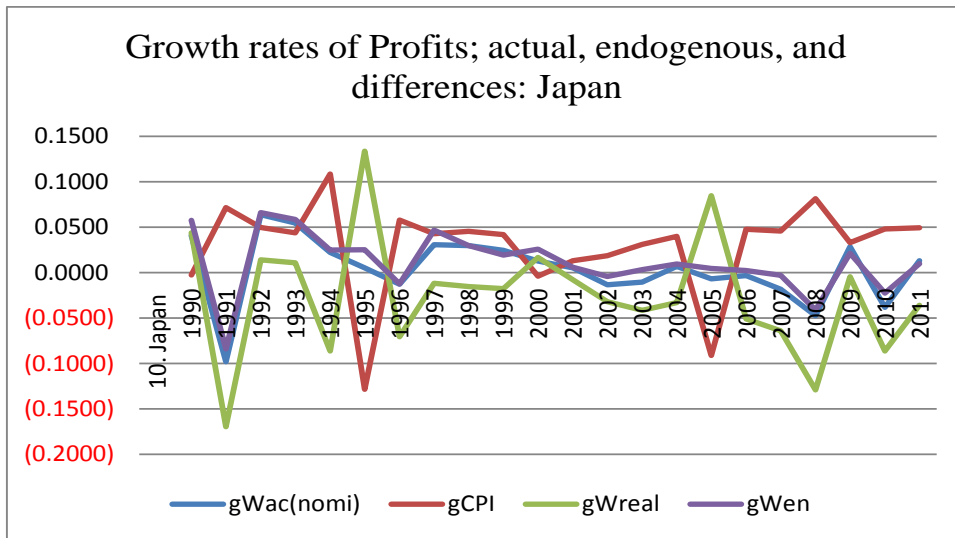
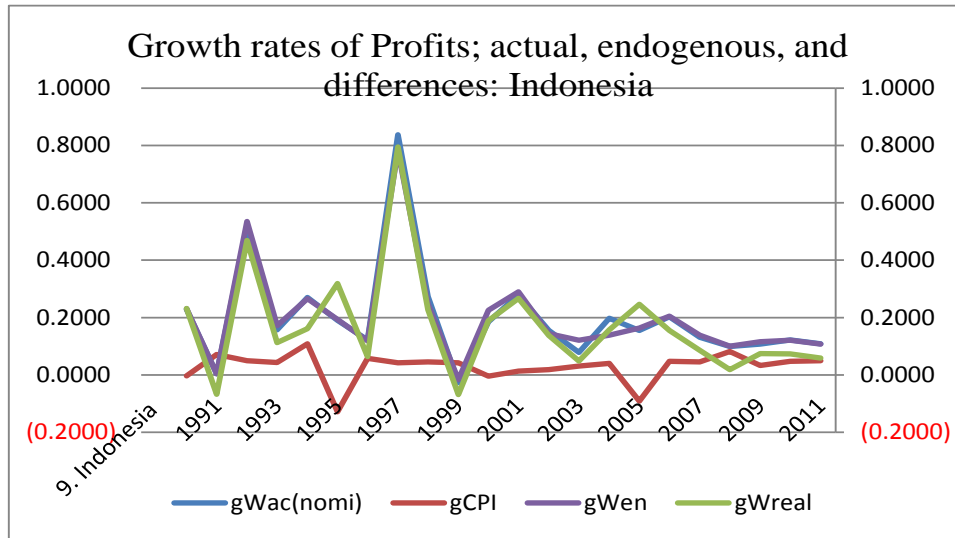


Fig. P&A-9 by G20: GDP-based real Wages

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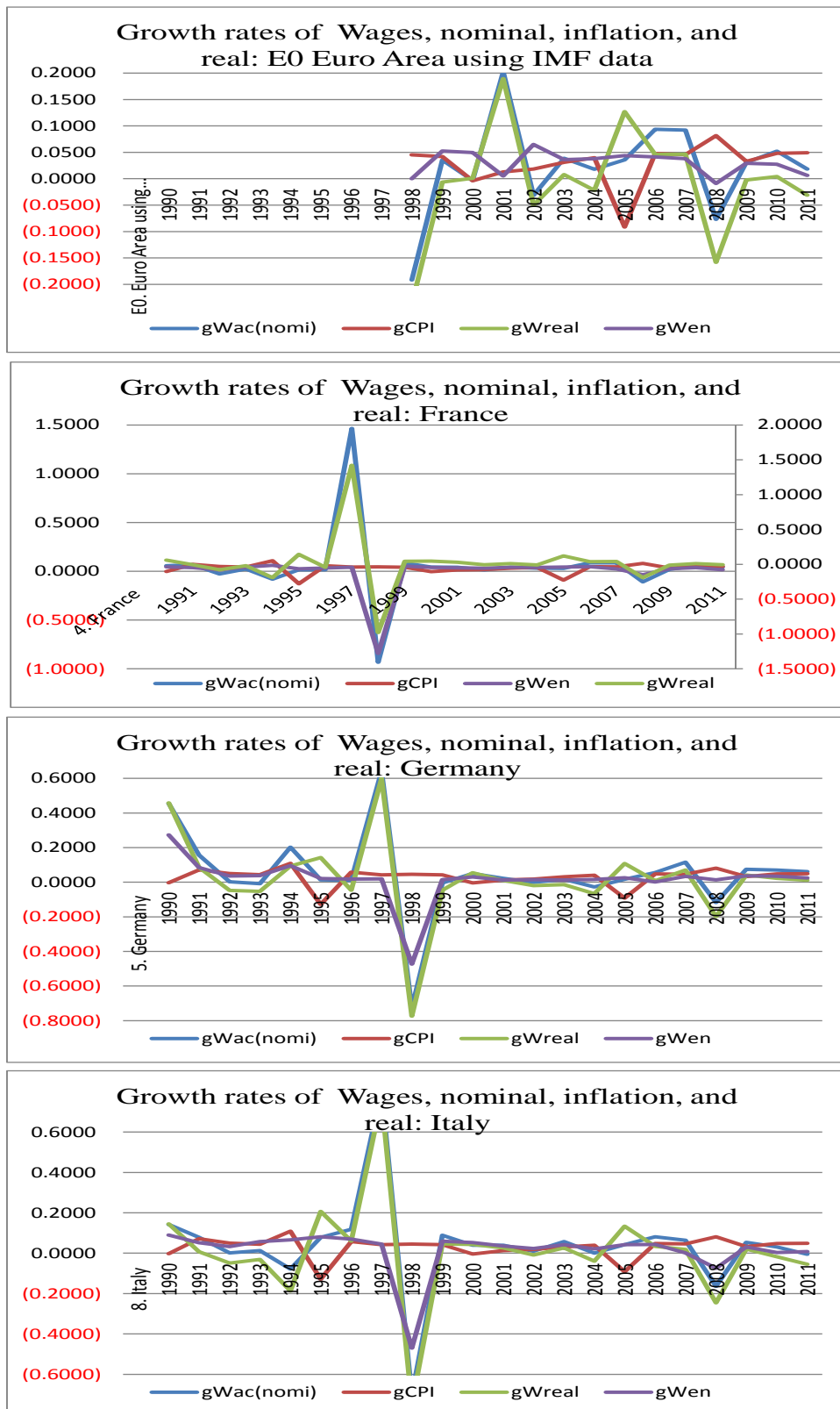


Fig. Euro-10 by G20: GDP-based real Wages

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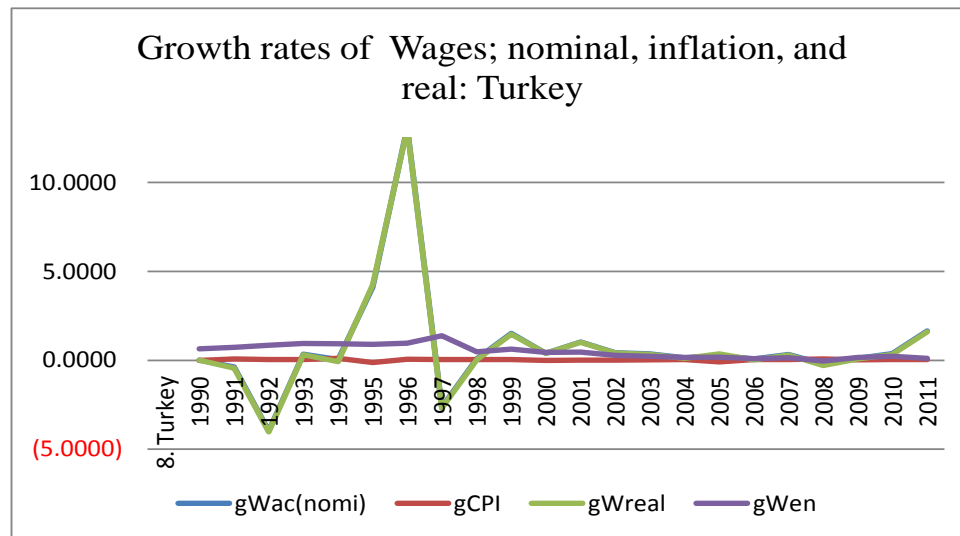
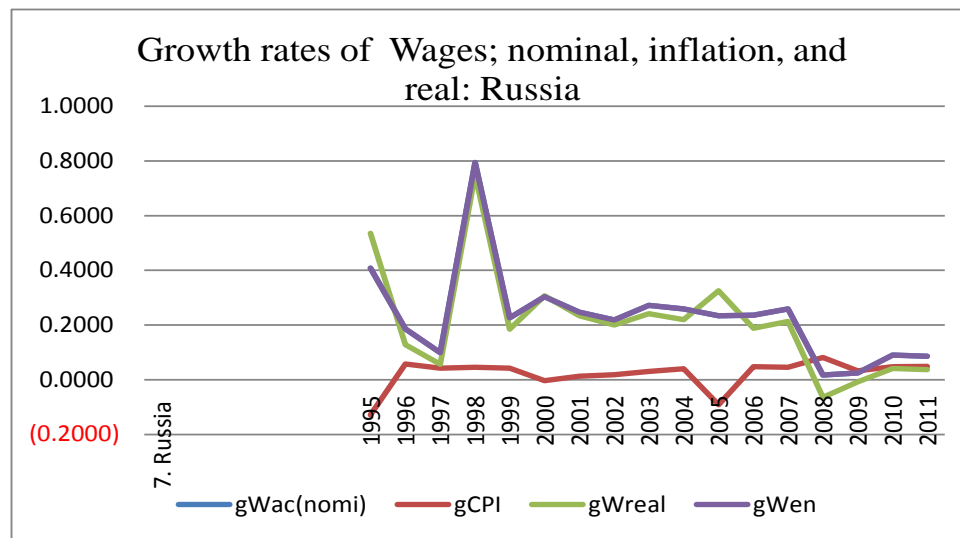
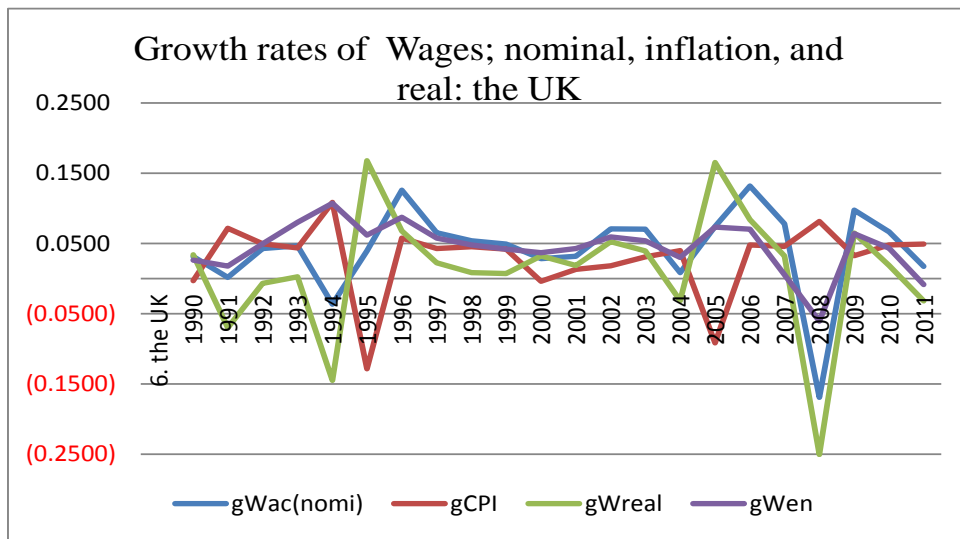


Fig. E&EastE-11 by G20: GDP-based real Wages

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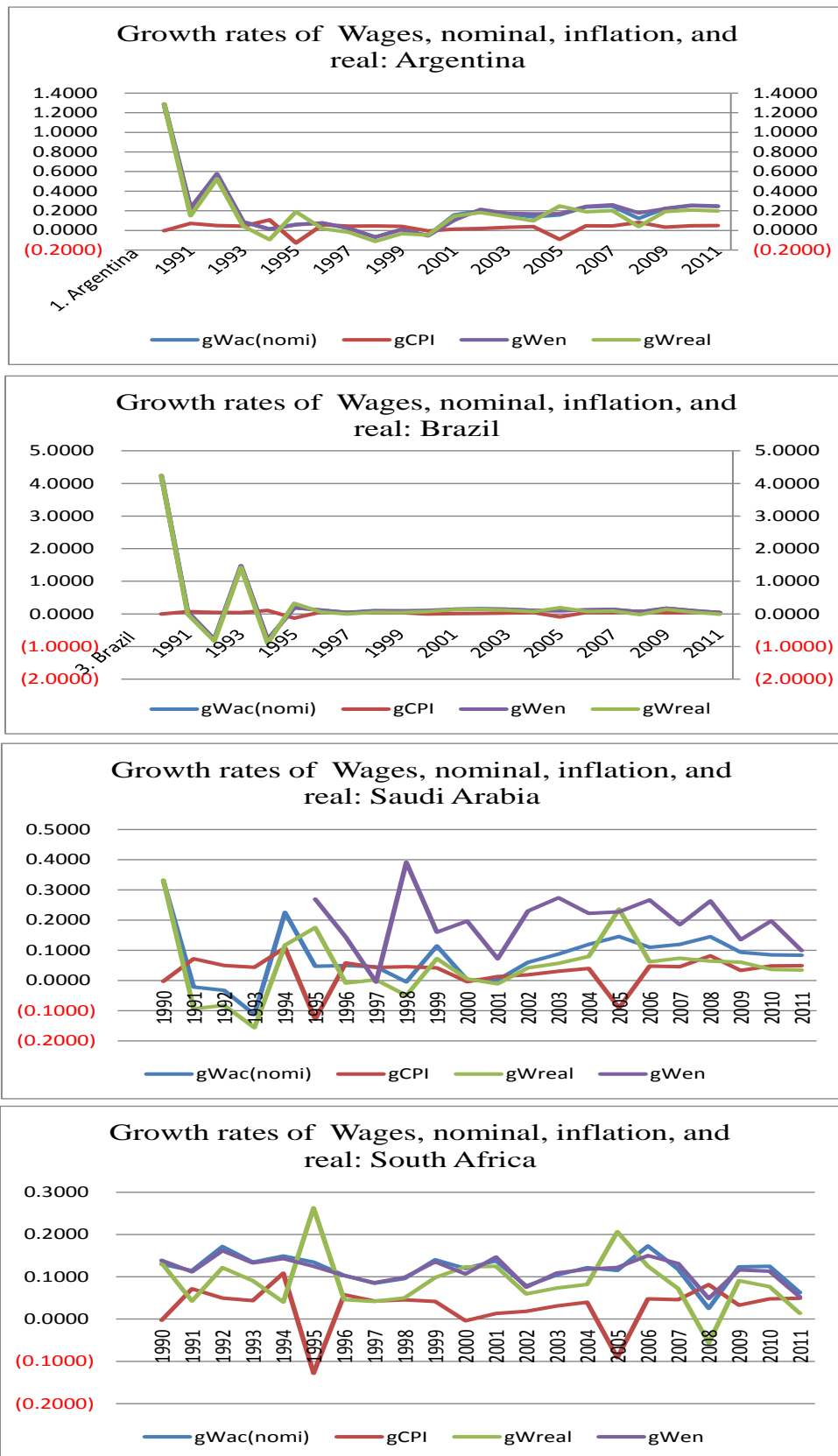


Fig. Rest-12 by G20: GDP-based real Wages

63 GDP-based Figures: G20 & G7 as a whole system

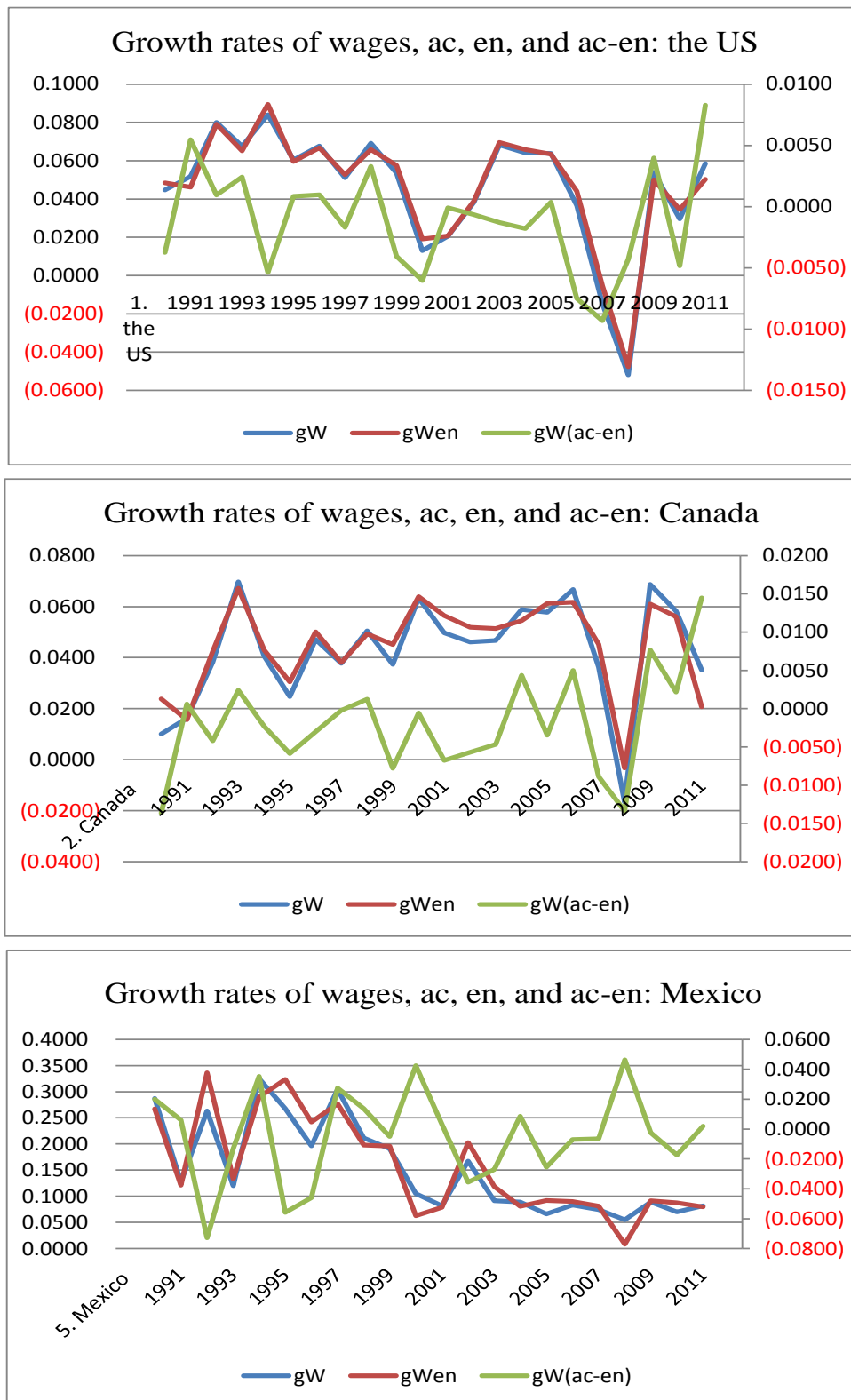


Fig. P&A-13 by G20: GDP-based Wages, ac-en

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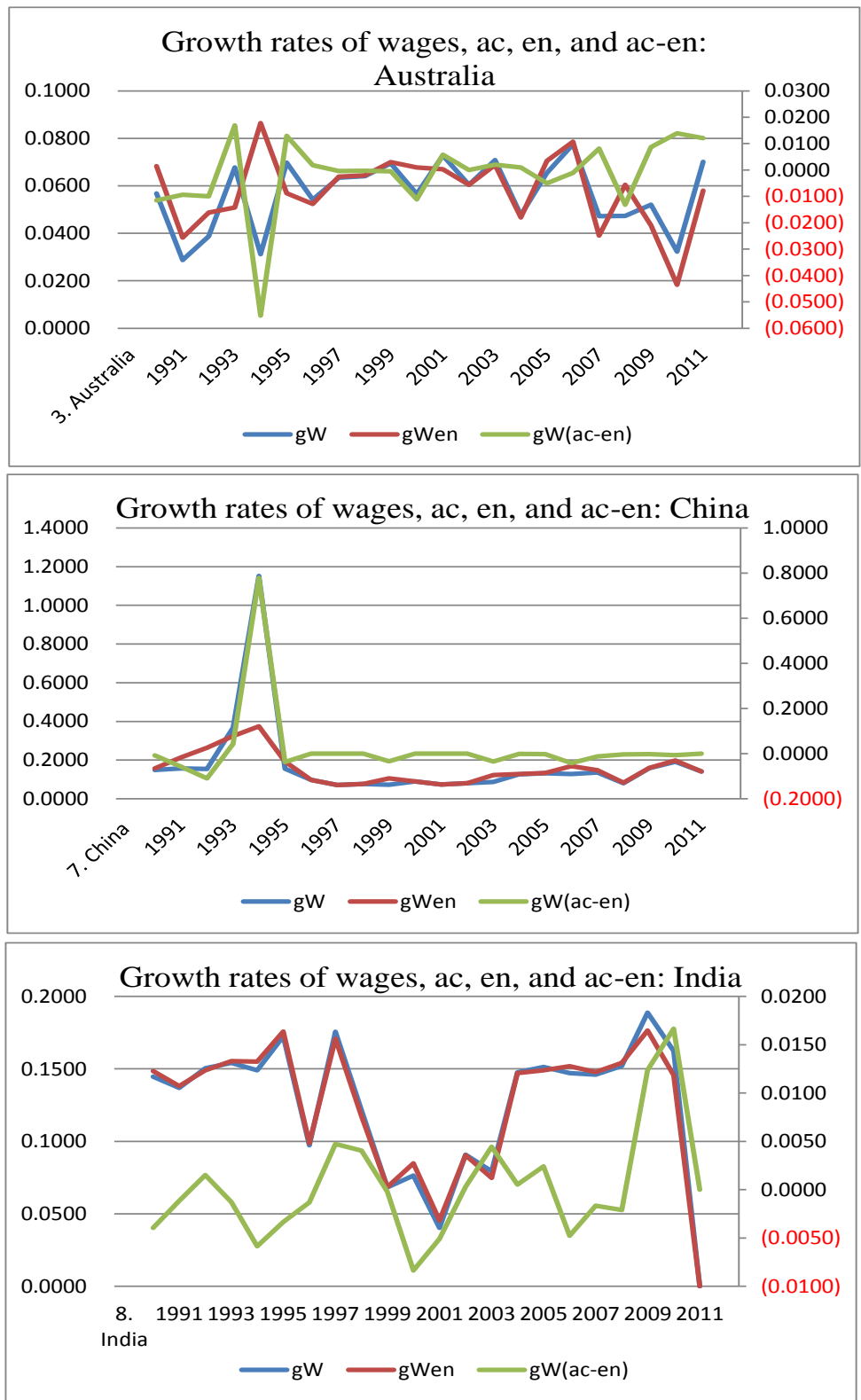


Fig. P&A-14 by G20: GDP-based Wages, ac-en

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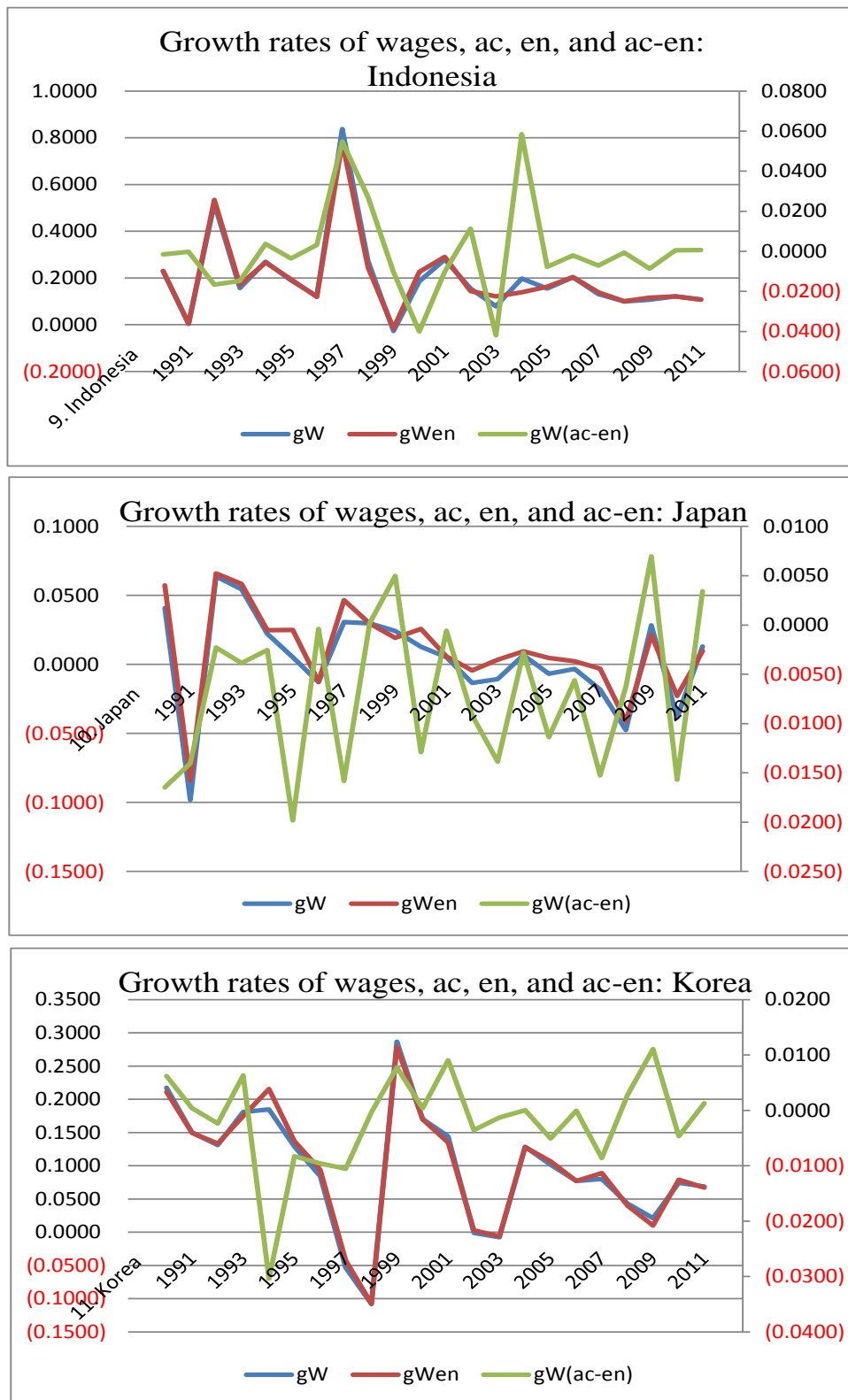


Fig. P&A-15 by G20: GDP-based Wages, ac-en

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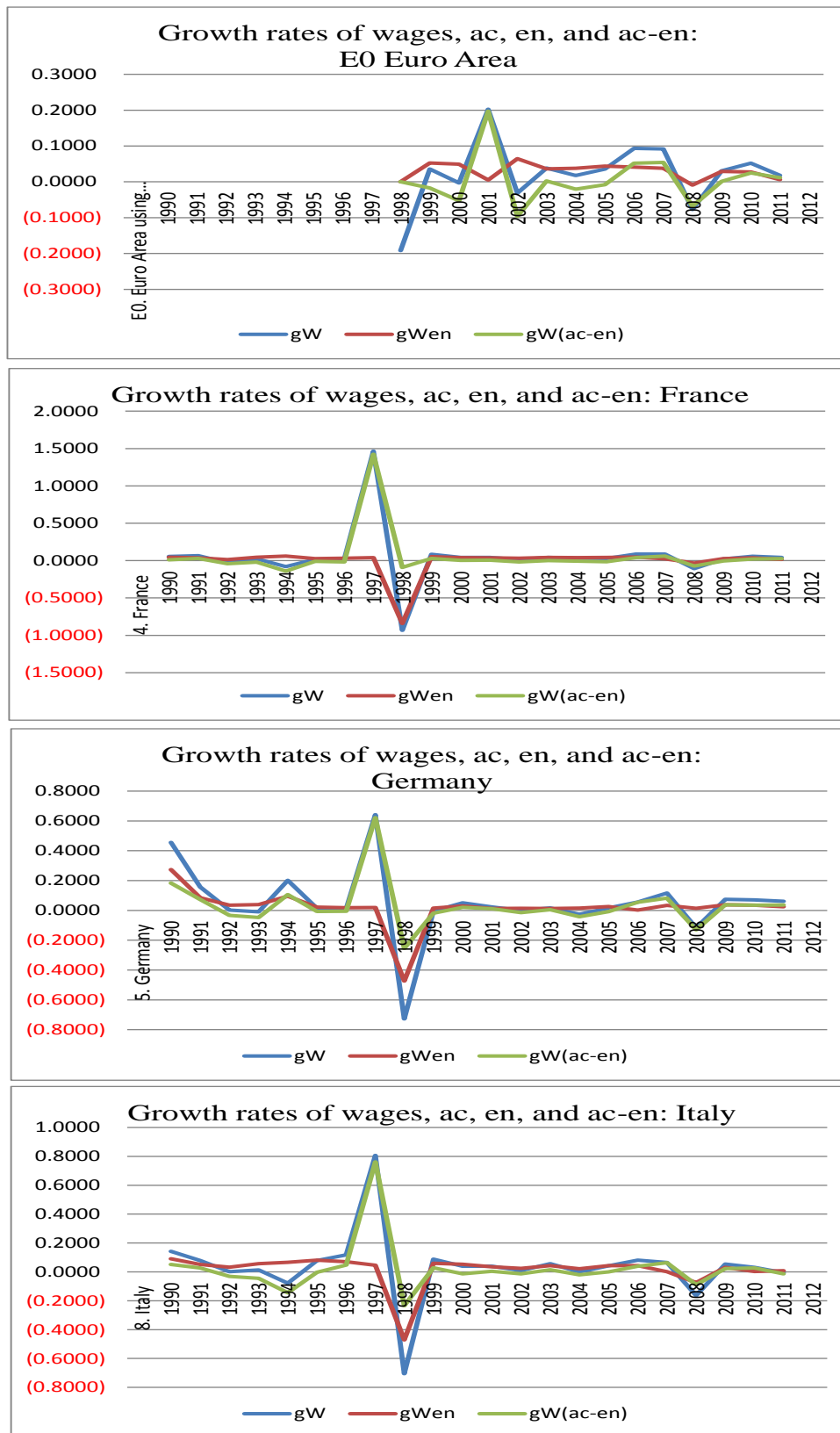


Fig. Euro-16 by G20: GDP-based Wages, ac-en

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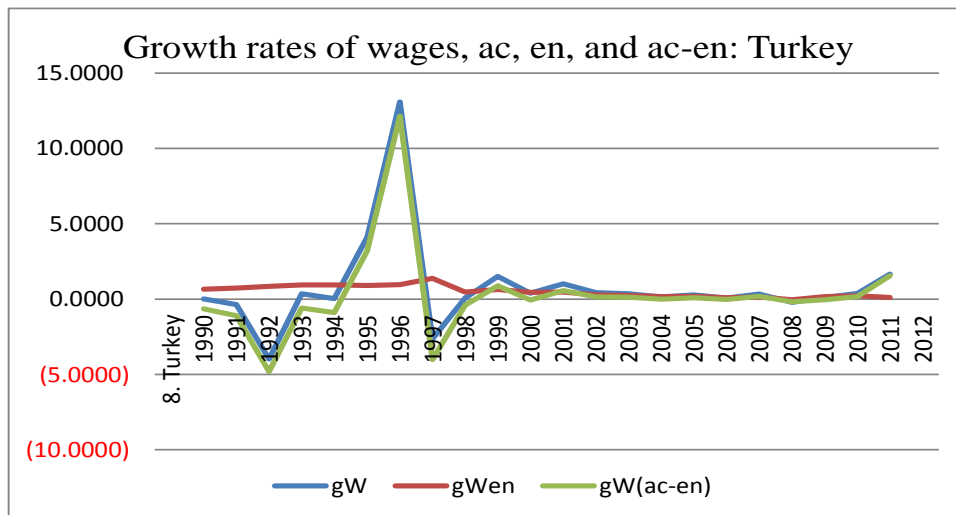
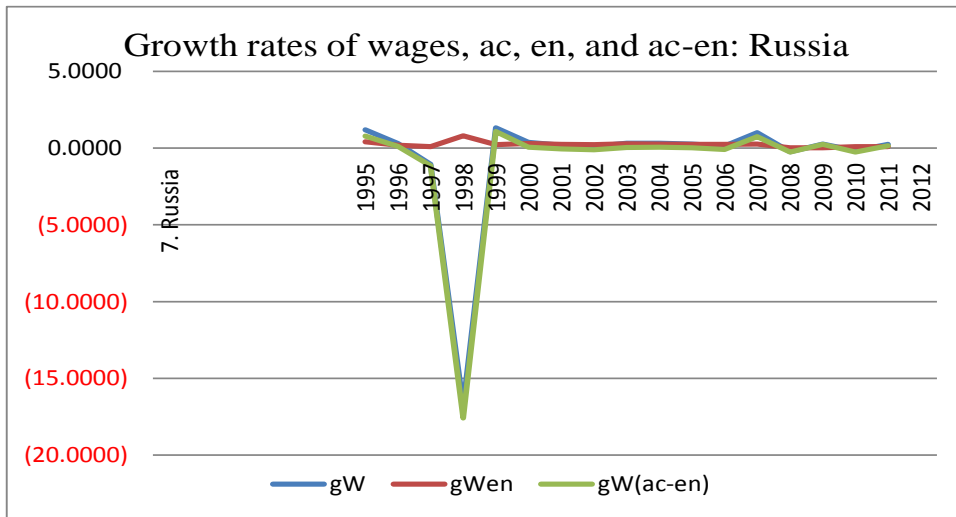
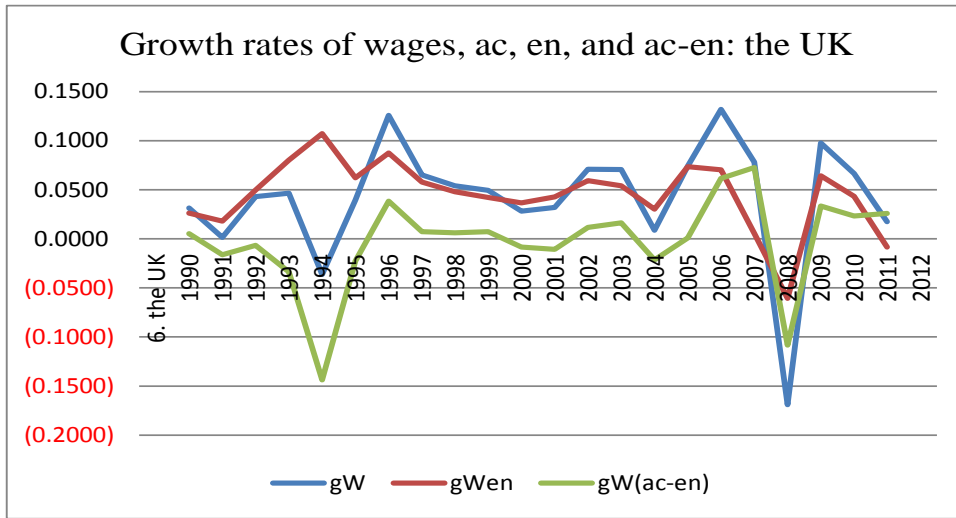


Fig. E&EastE-17 by G20: GDP-based Wages, ac-en

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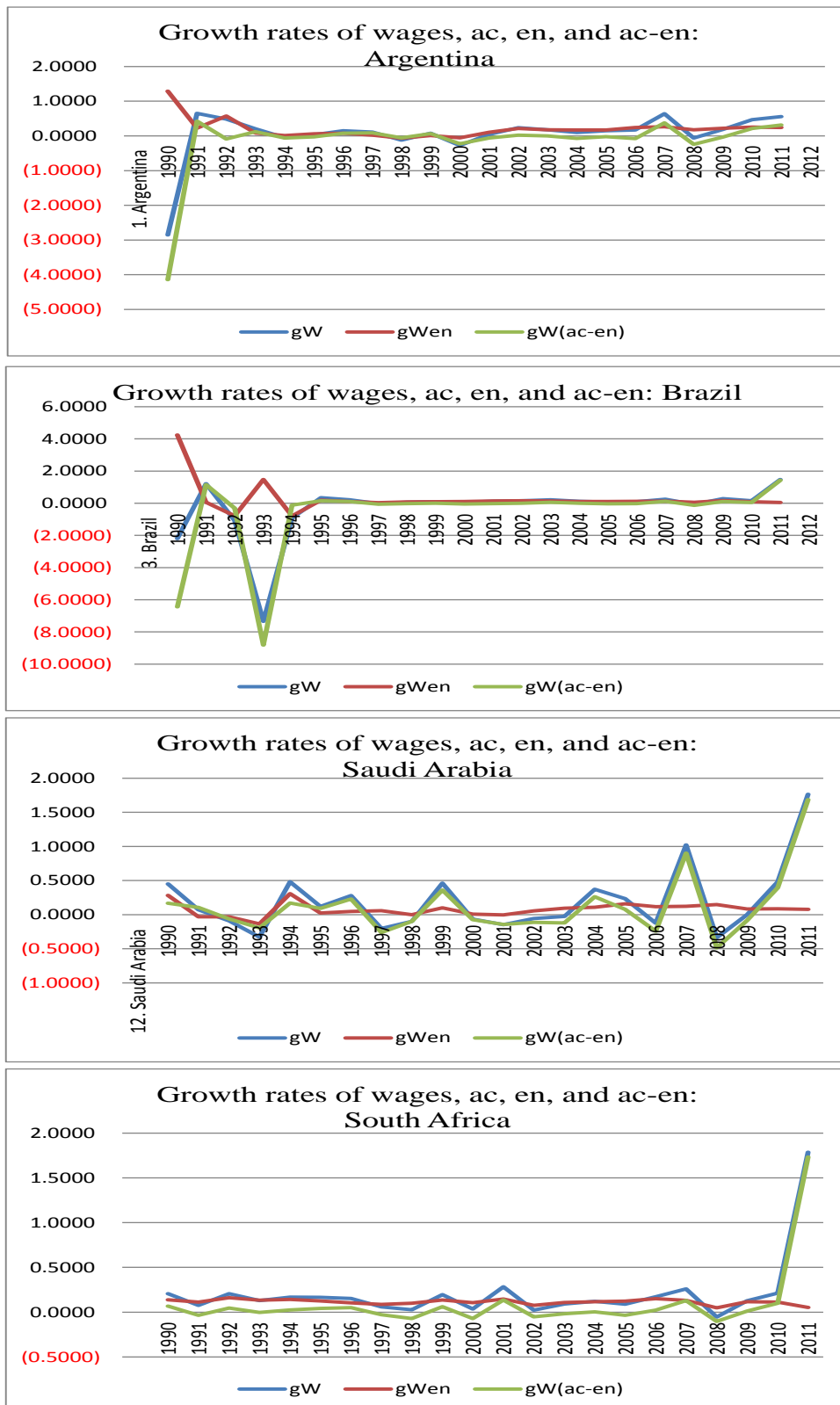


Fig. Rest-18 by G20: GDP-based Wages, ac-en

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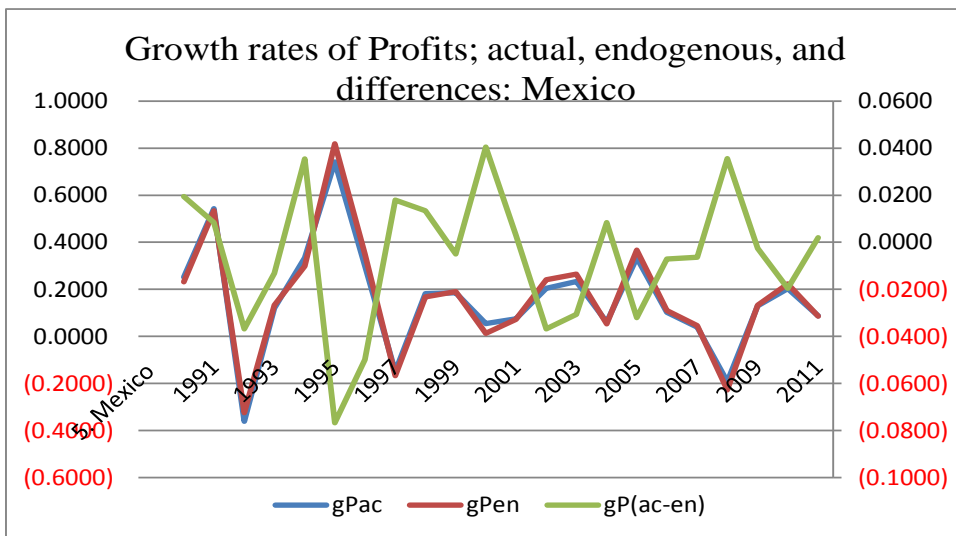
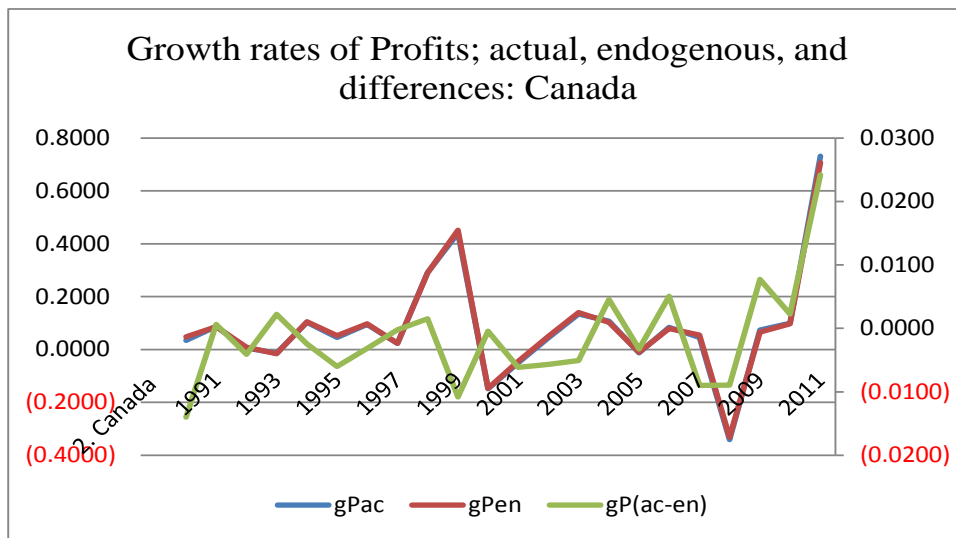
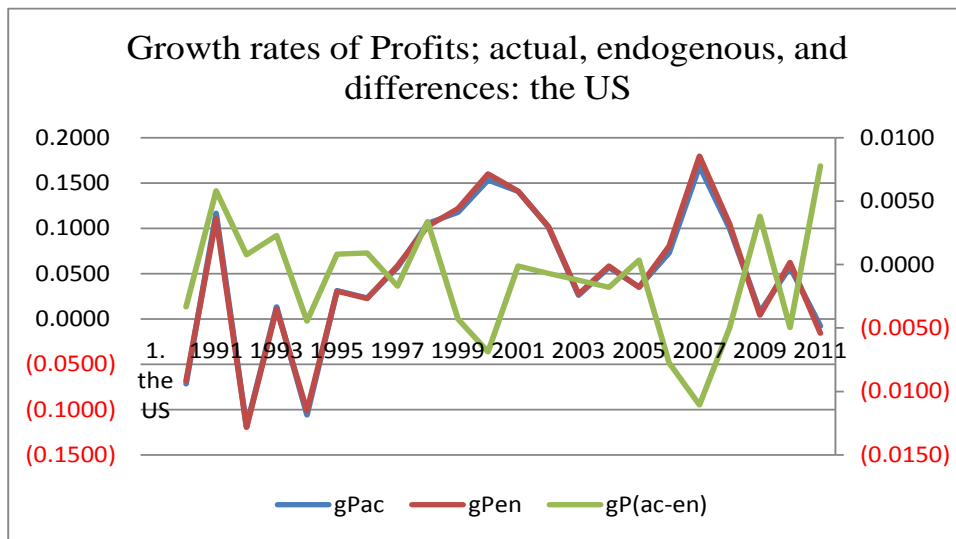


Fig. P&A-19 by G20: GDP-based Profits

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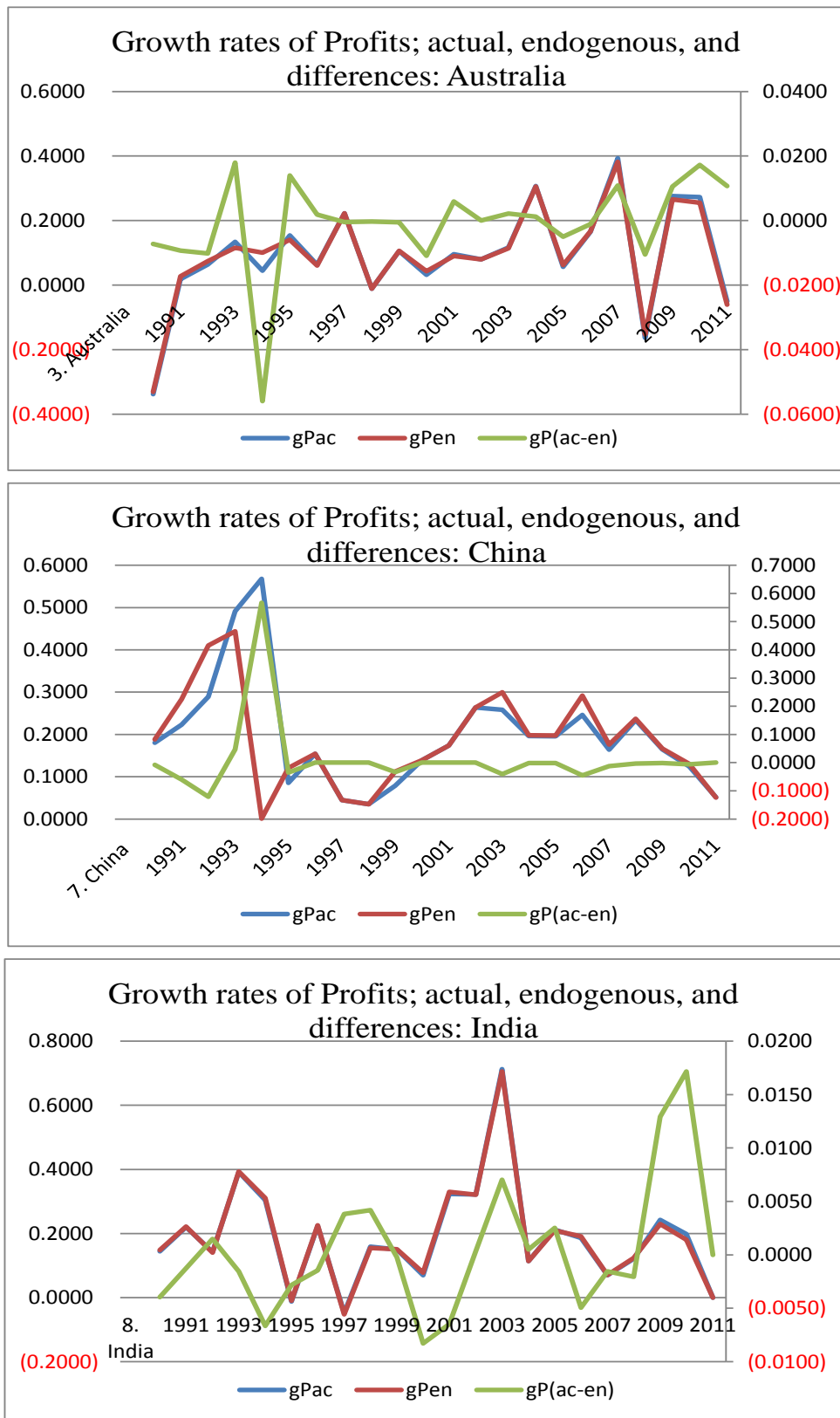


Fig. P&A-20 by G20: GDP-based Profits

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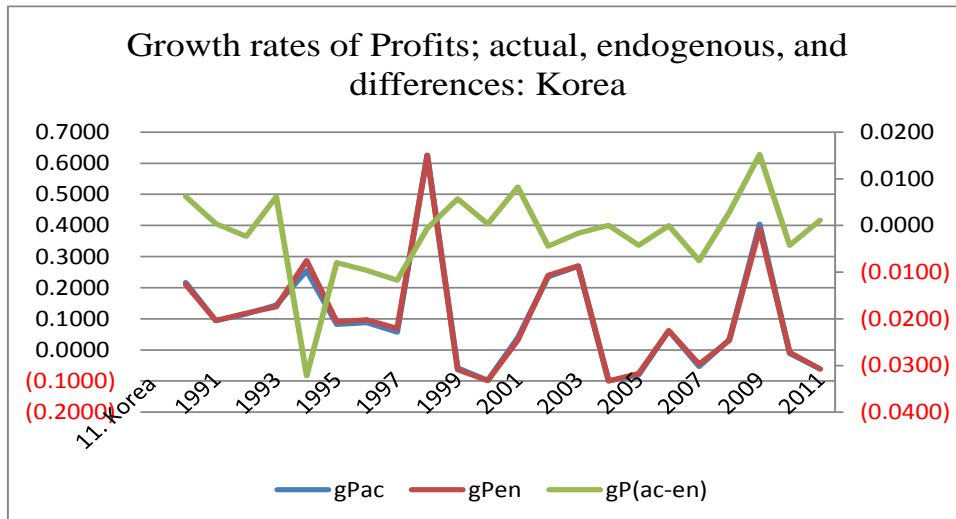
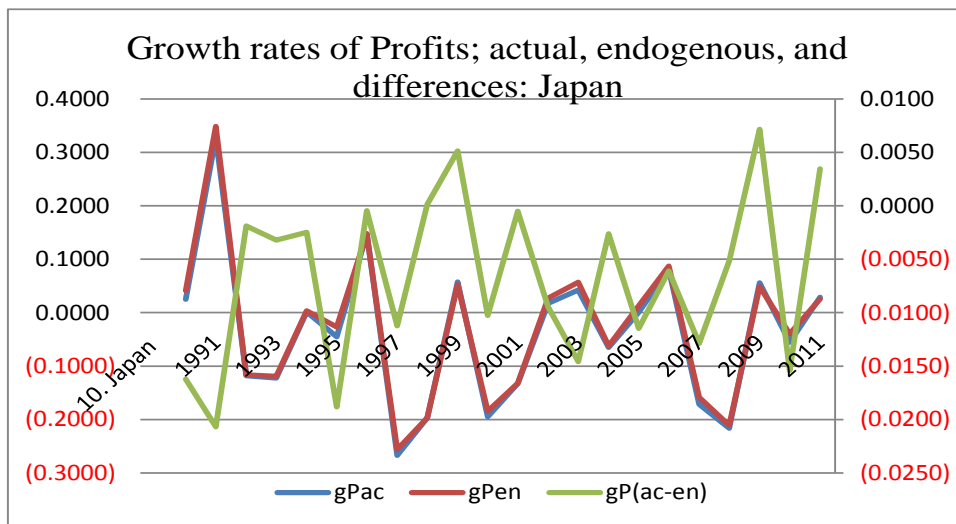
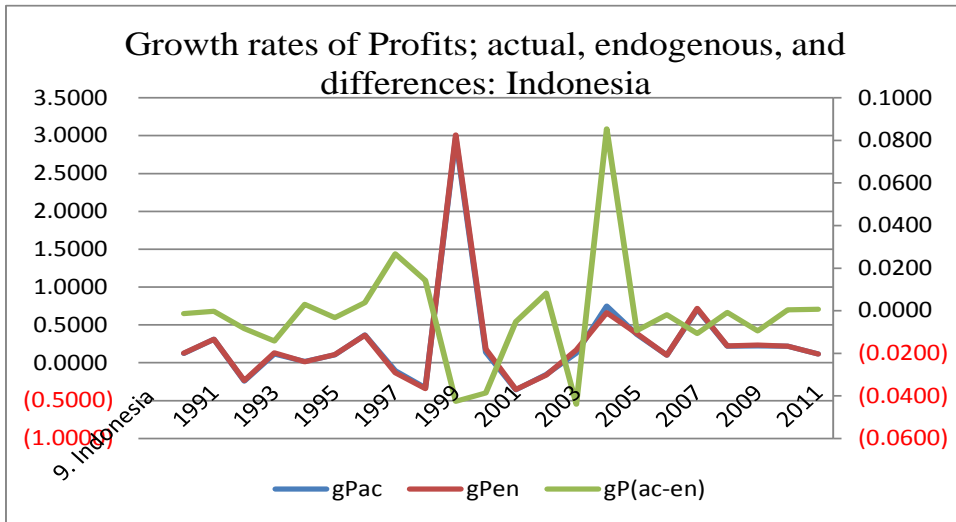


Fig. P&A-21 by G20: GDP-based Profits

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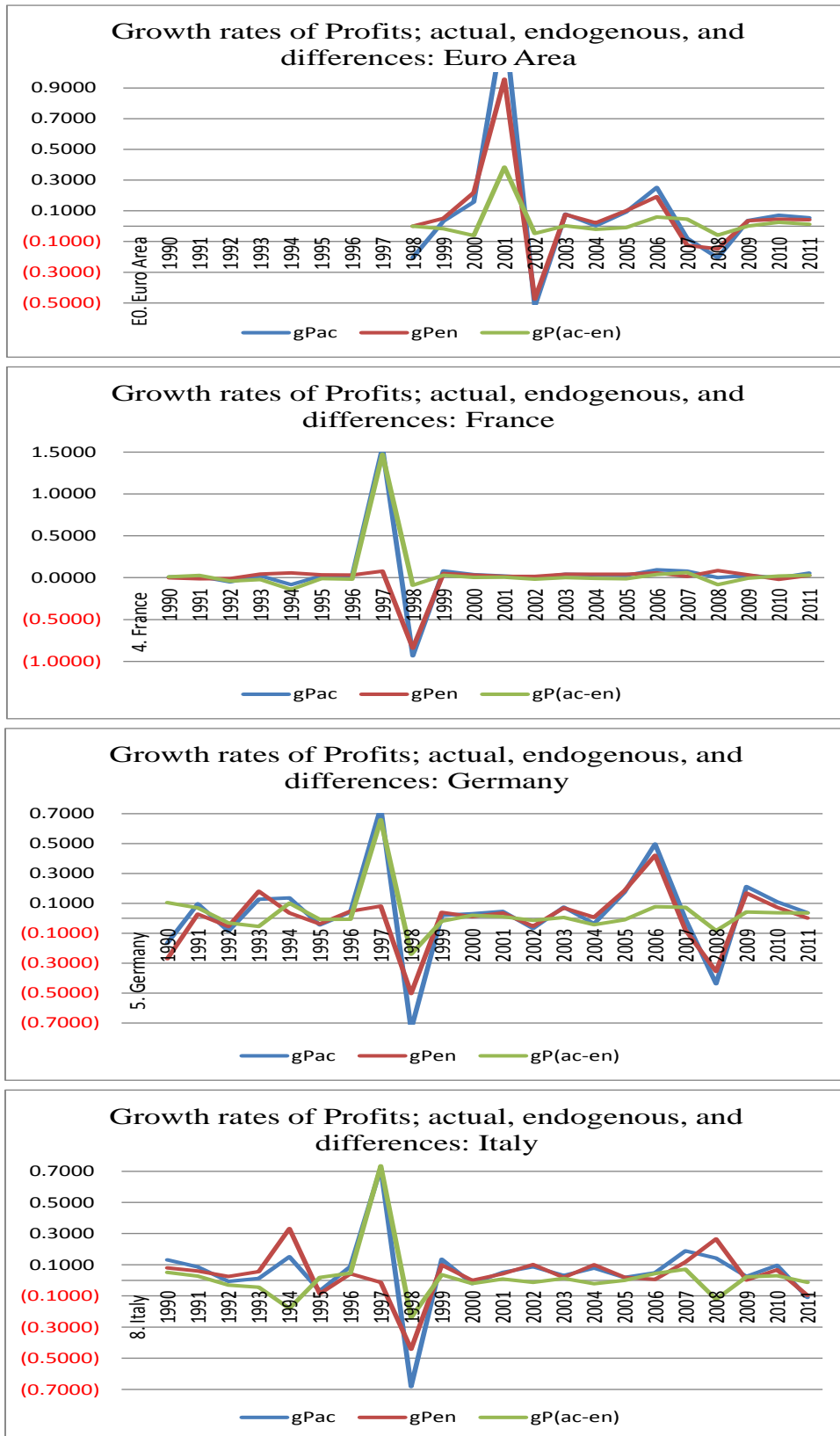


Fig. Euro-22 by G20: GDP-based Profits

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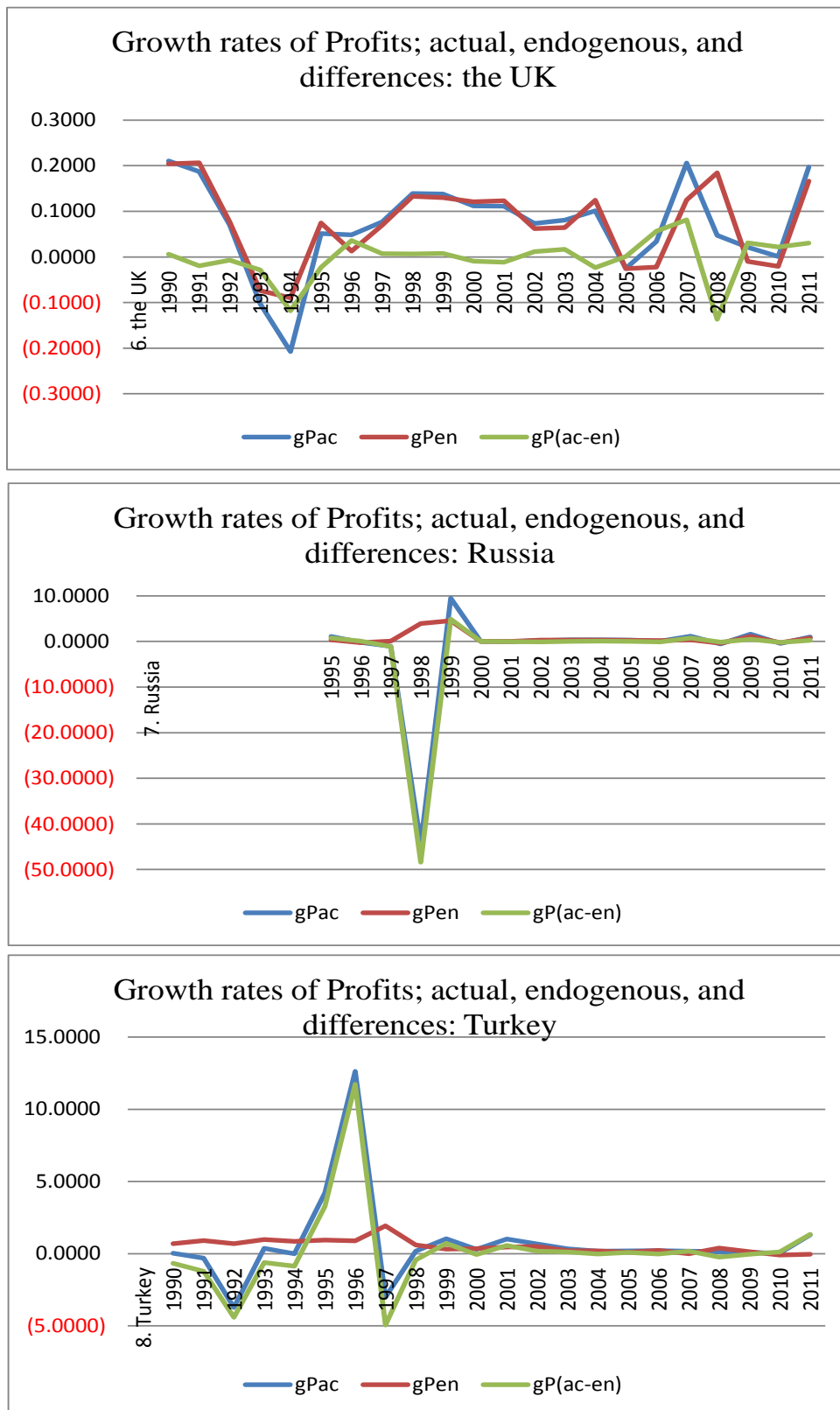


Fig. E&EastE-23 by G20: GDP-based Profits

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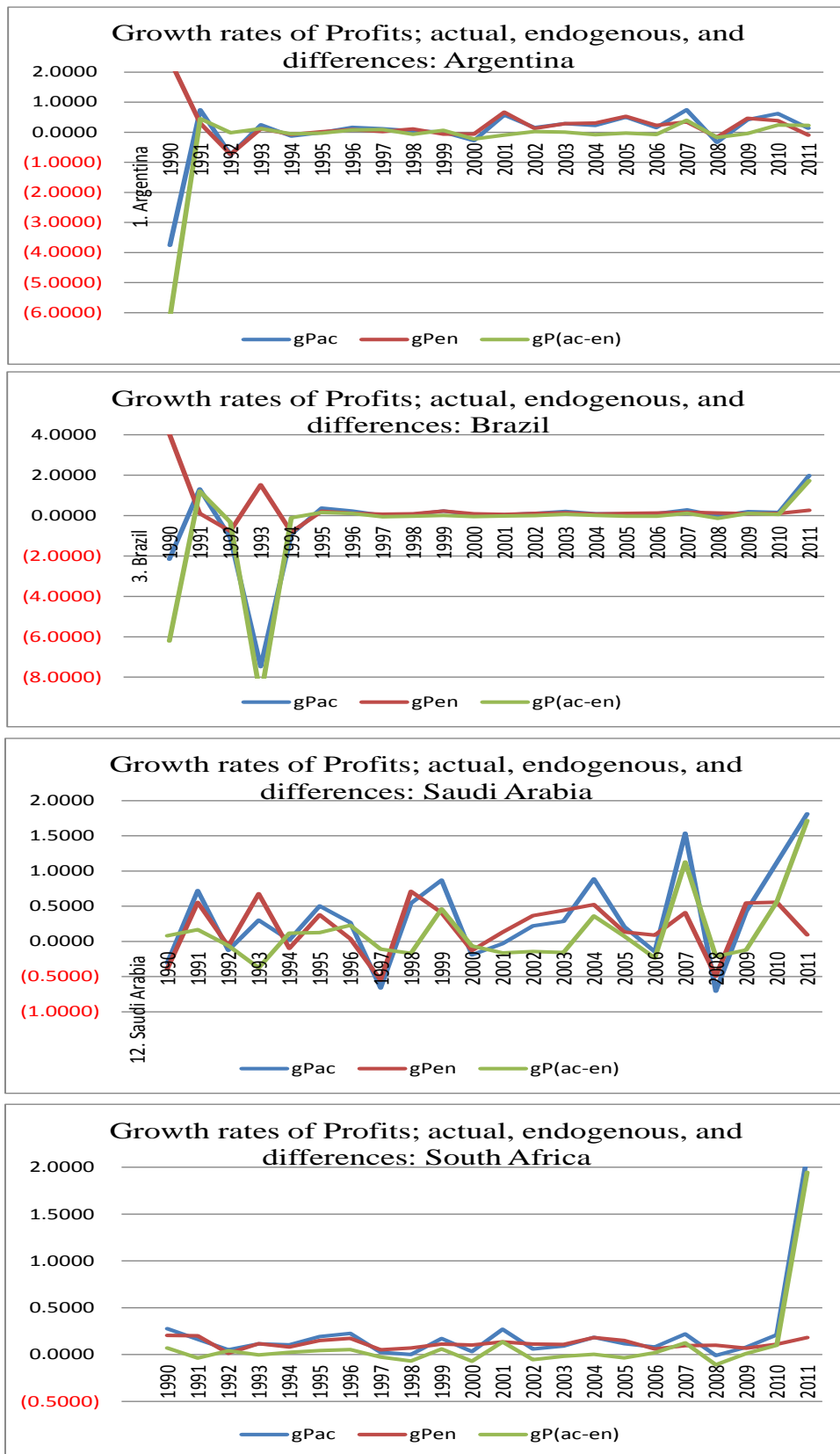


Fig. Rest-24 by G20: GDP-based Profits

63 GDP-based Figures: G20 & G7 as a whole system

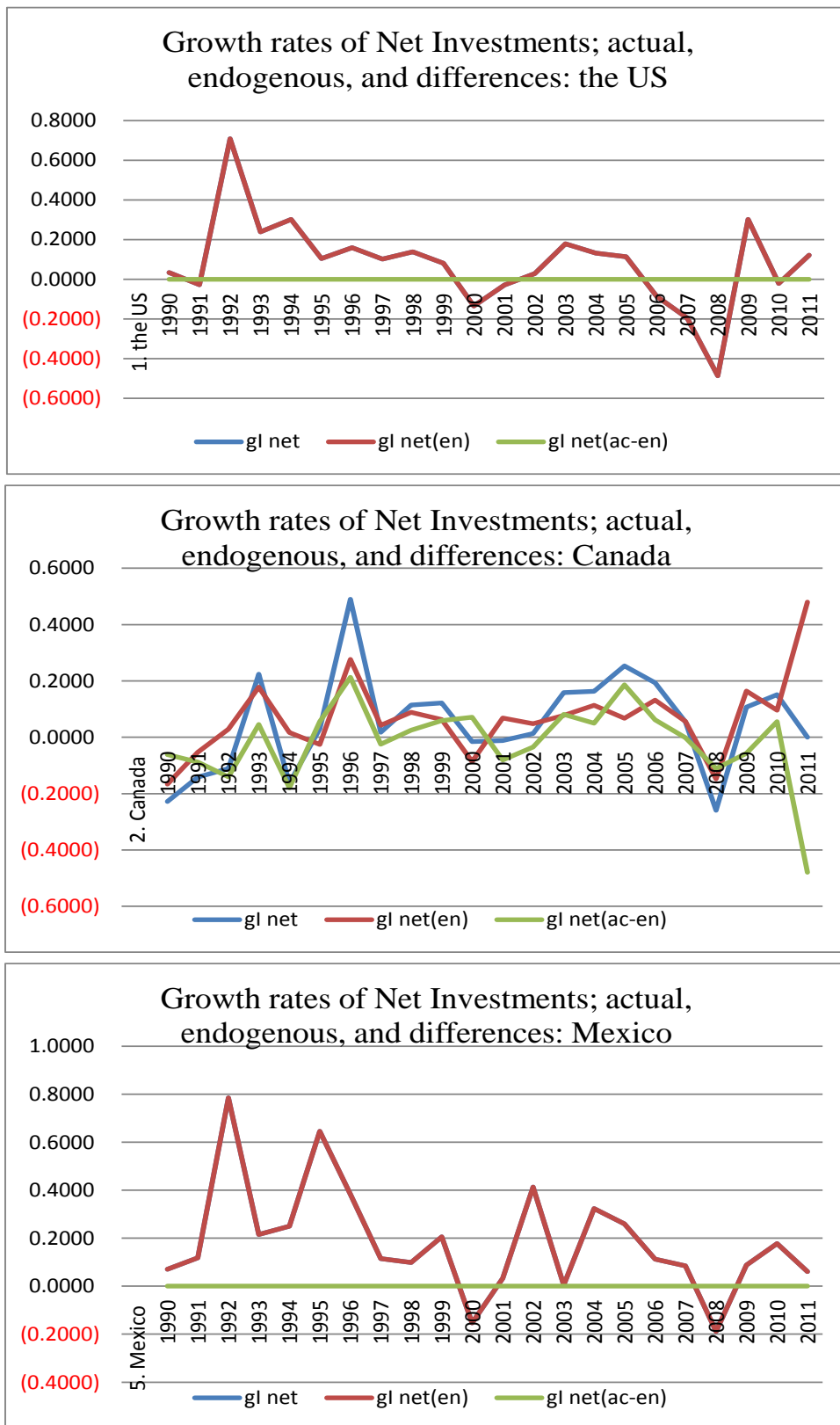


Fig. P&A-25 by G20: GDP-based Net Investments

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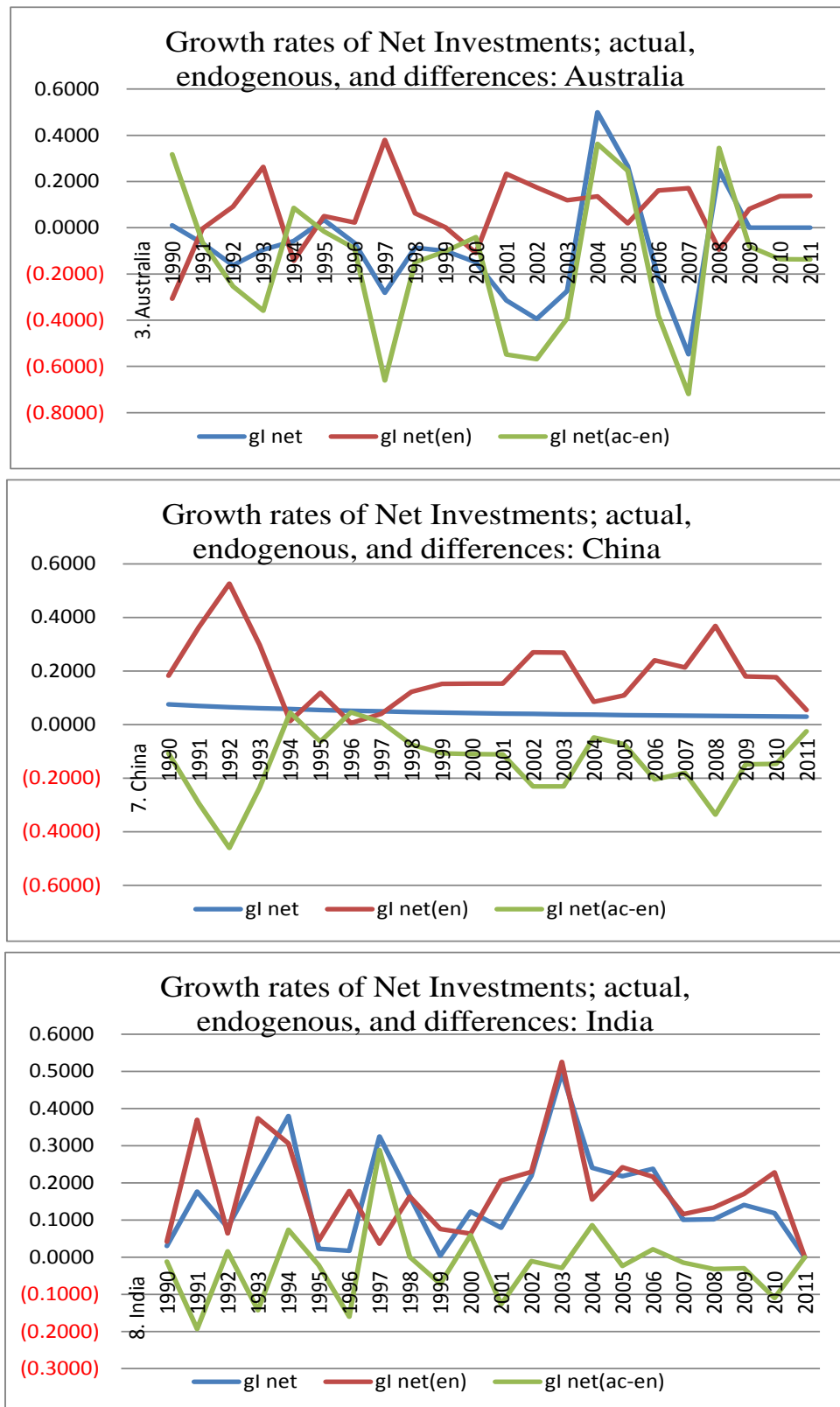


Fig. P&A-26 by G20: GDP-based Net Investments

63 GDP-based Figures: G20 & G7 as a whole system

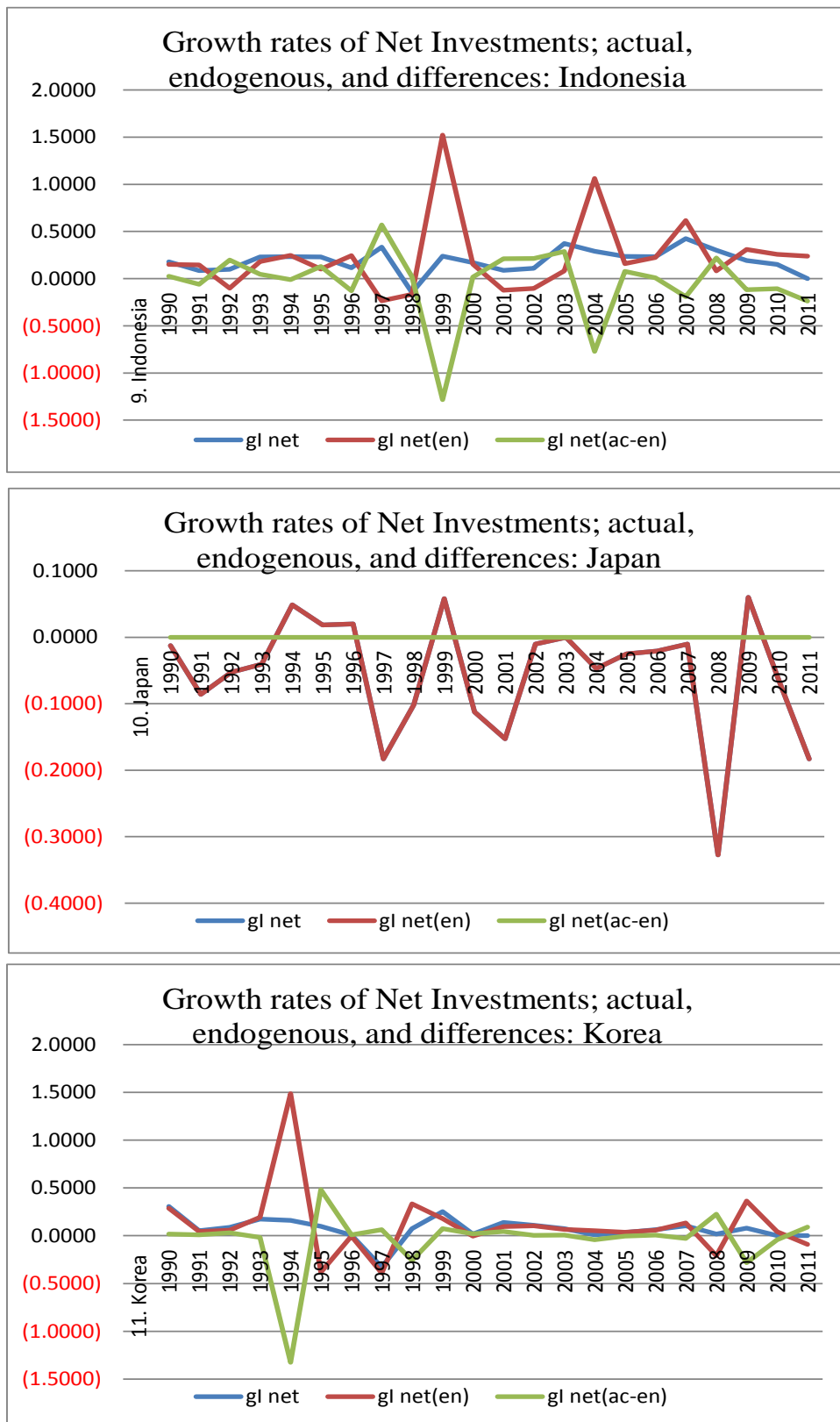


Fig. P&A-27 by G20: GDP-based Net Investments

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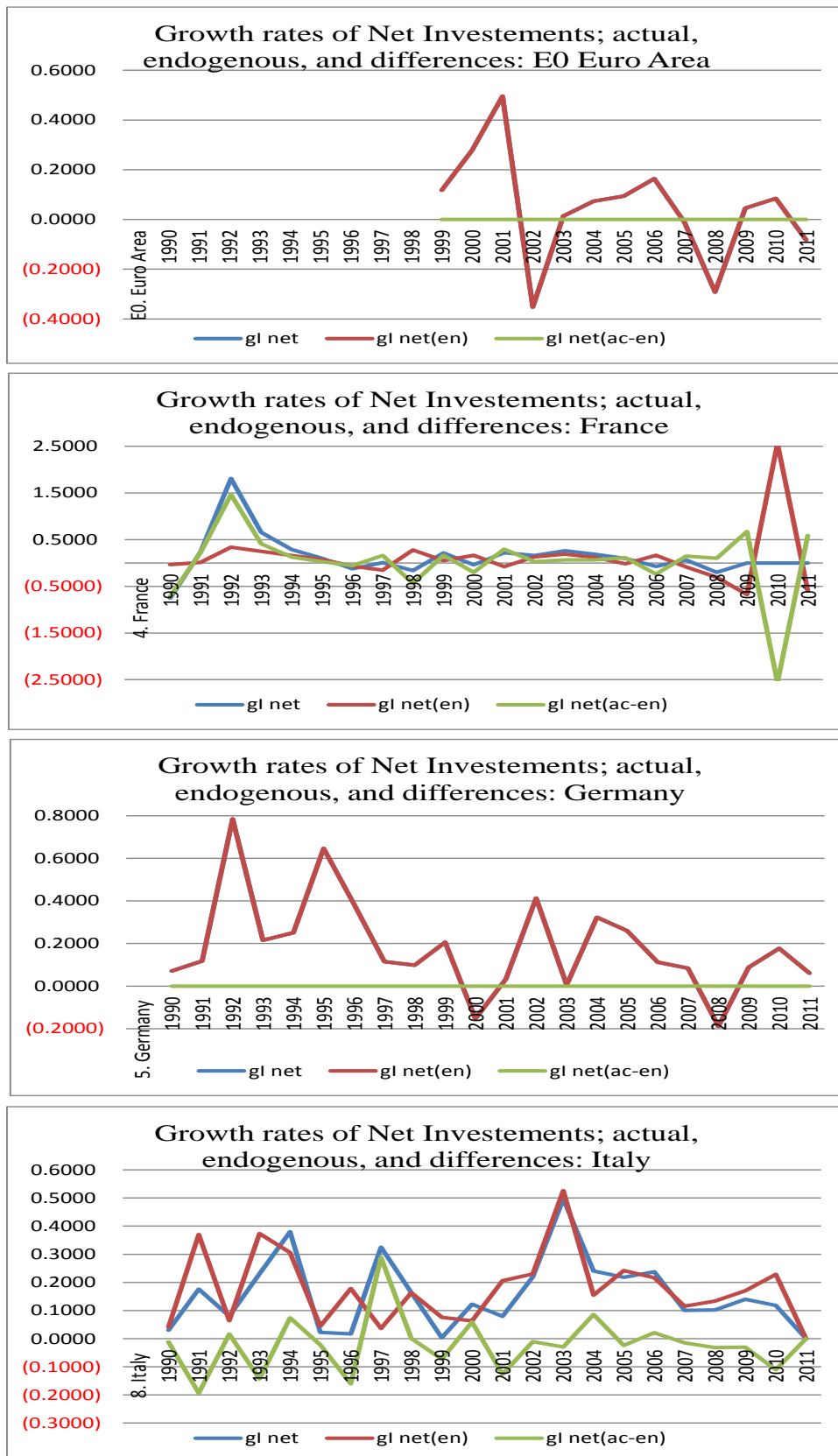


Fig. Euro-28 by G20: GDP-based Net Investments

63 GDP-based Figures: G20 & G7 as a whole system

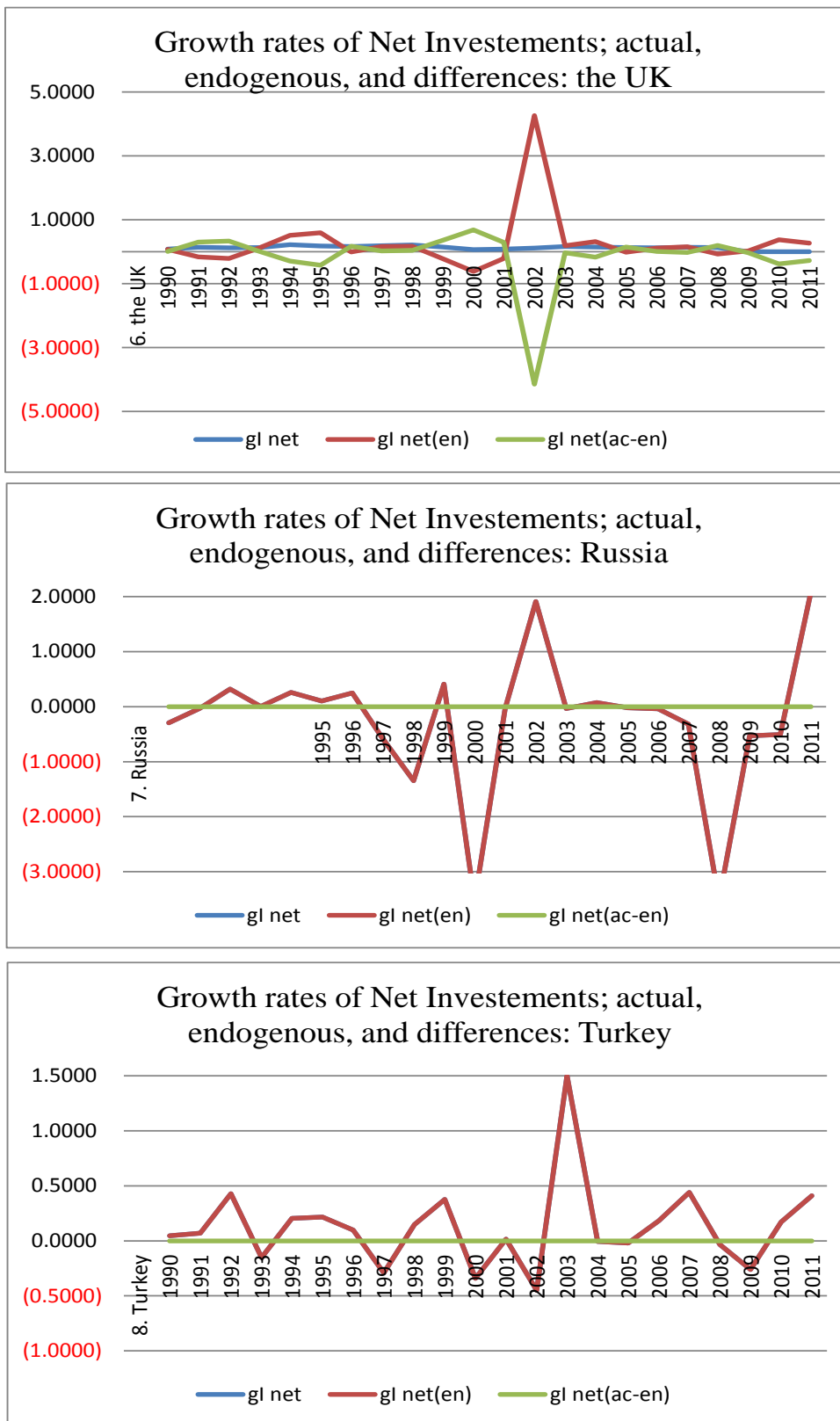


Fig. E&EastE-29 by G20: GDP-based Net Investments

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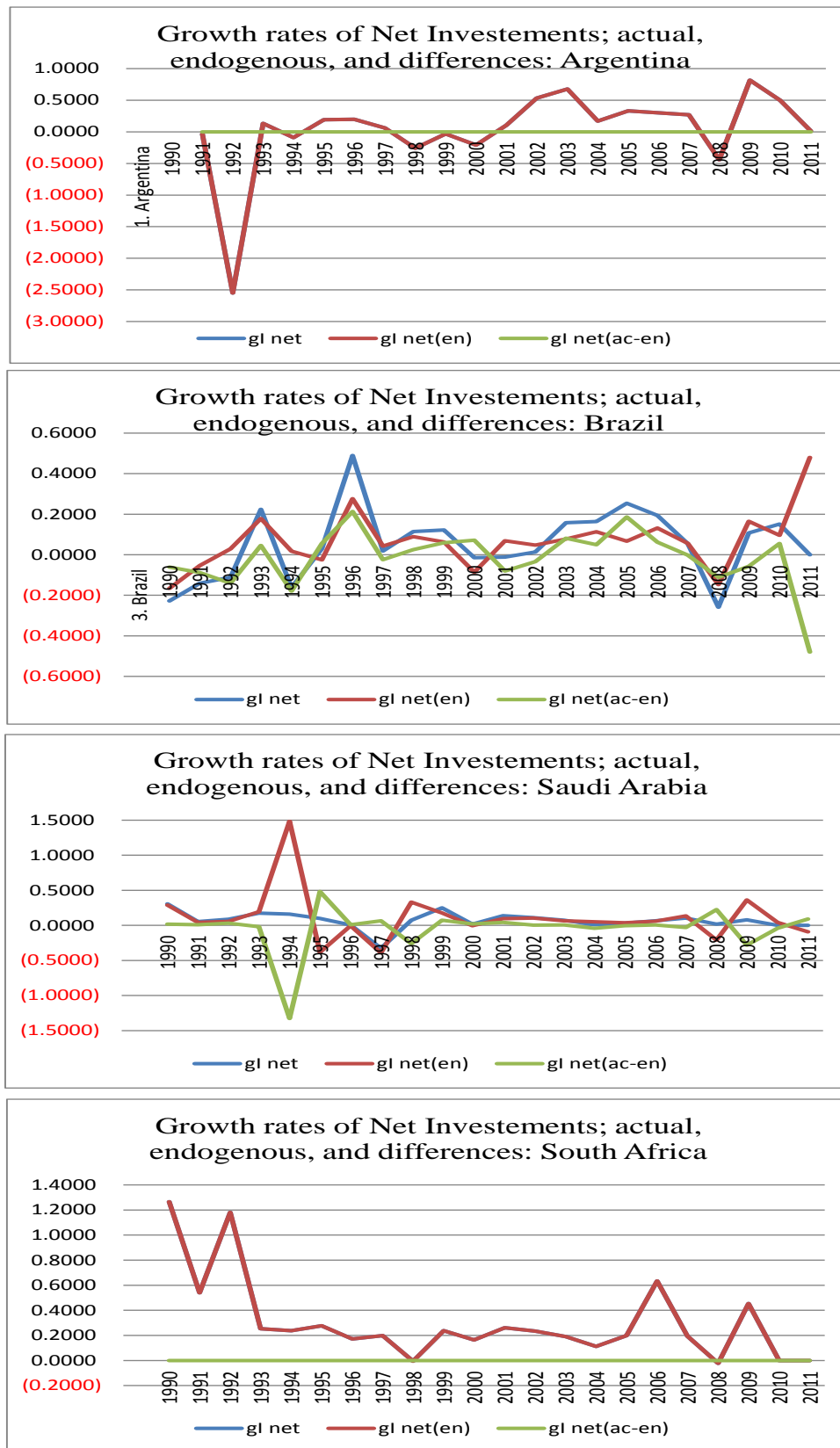


Fig. Rest-30 by G20: GDP-based Net Investments

63 GDP-based Figures: G20 & G7 as a whole system

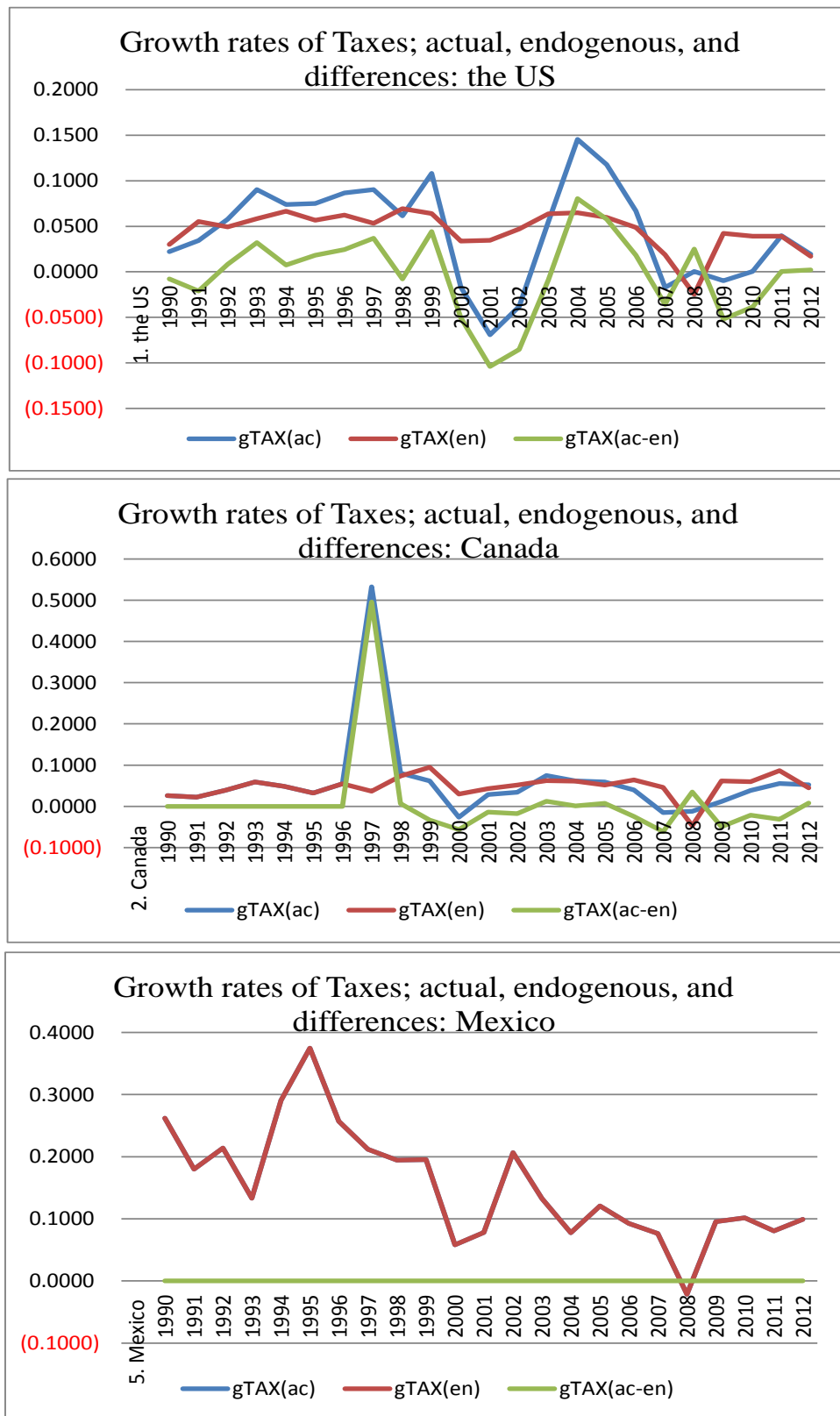


Fig. P&A-31 by G20: GDP-based Taxes

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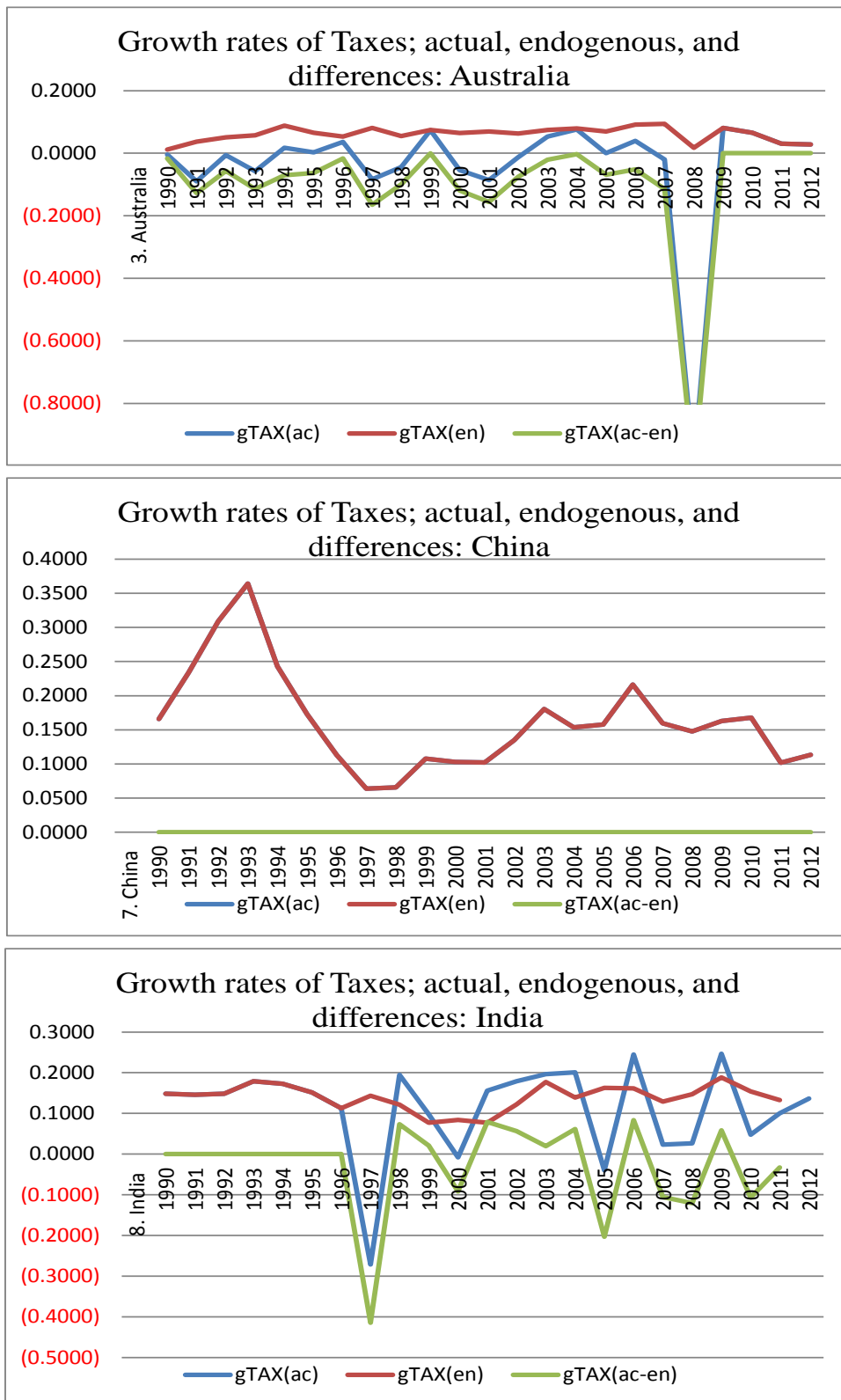


Fig. P&A-32 by G20: GDP-based Taxes

63 GDP-based Figures: G20 & G7 as a whole system

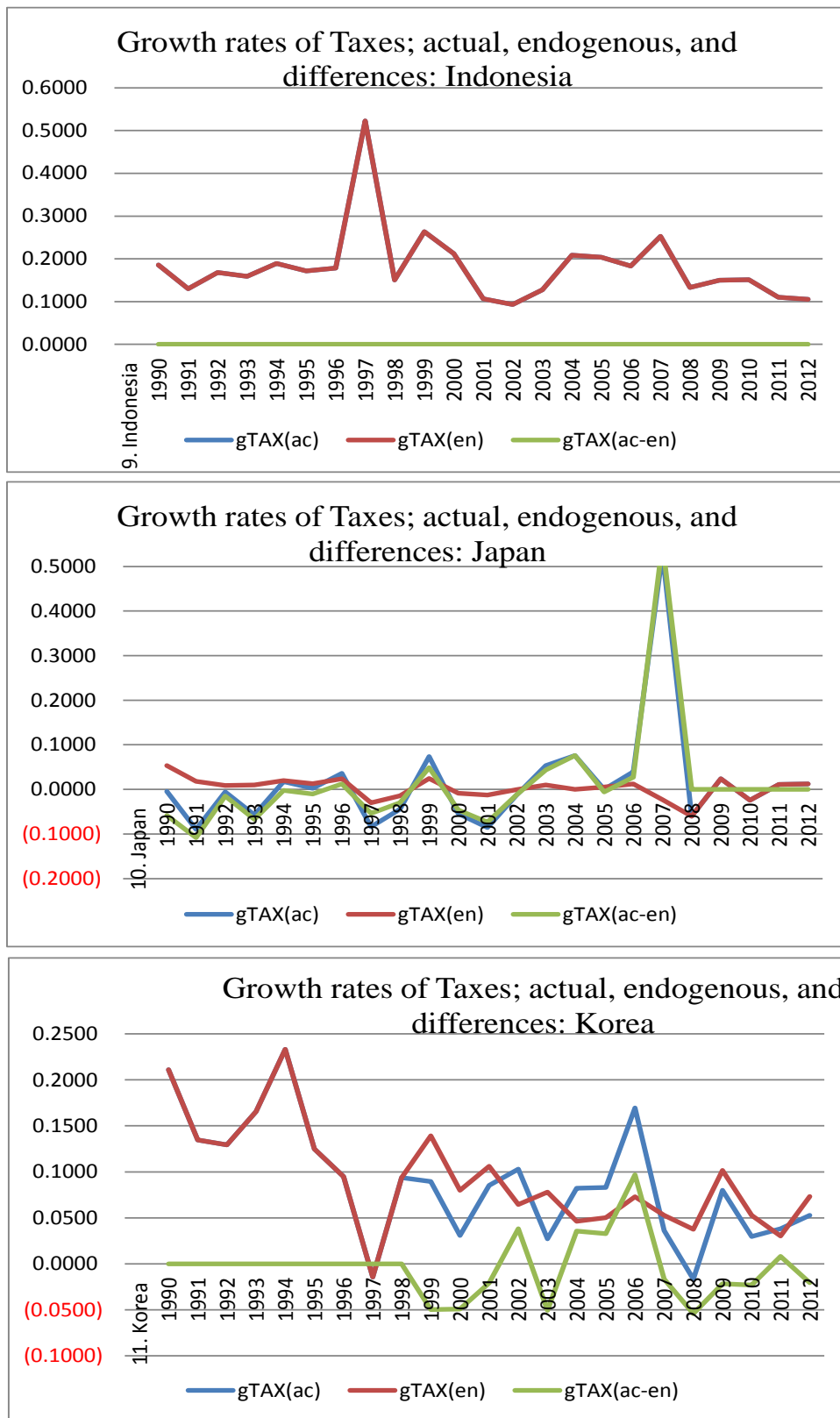


Fig. P&A-33 by G20: GDP-based Taxes

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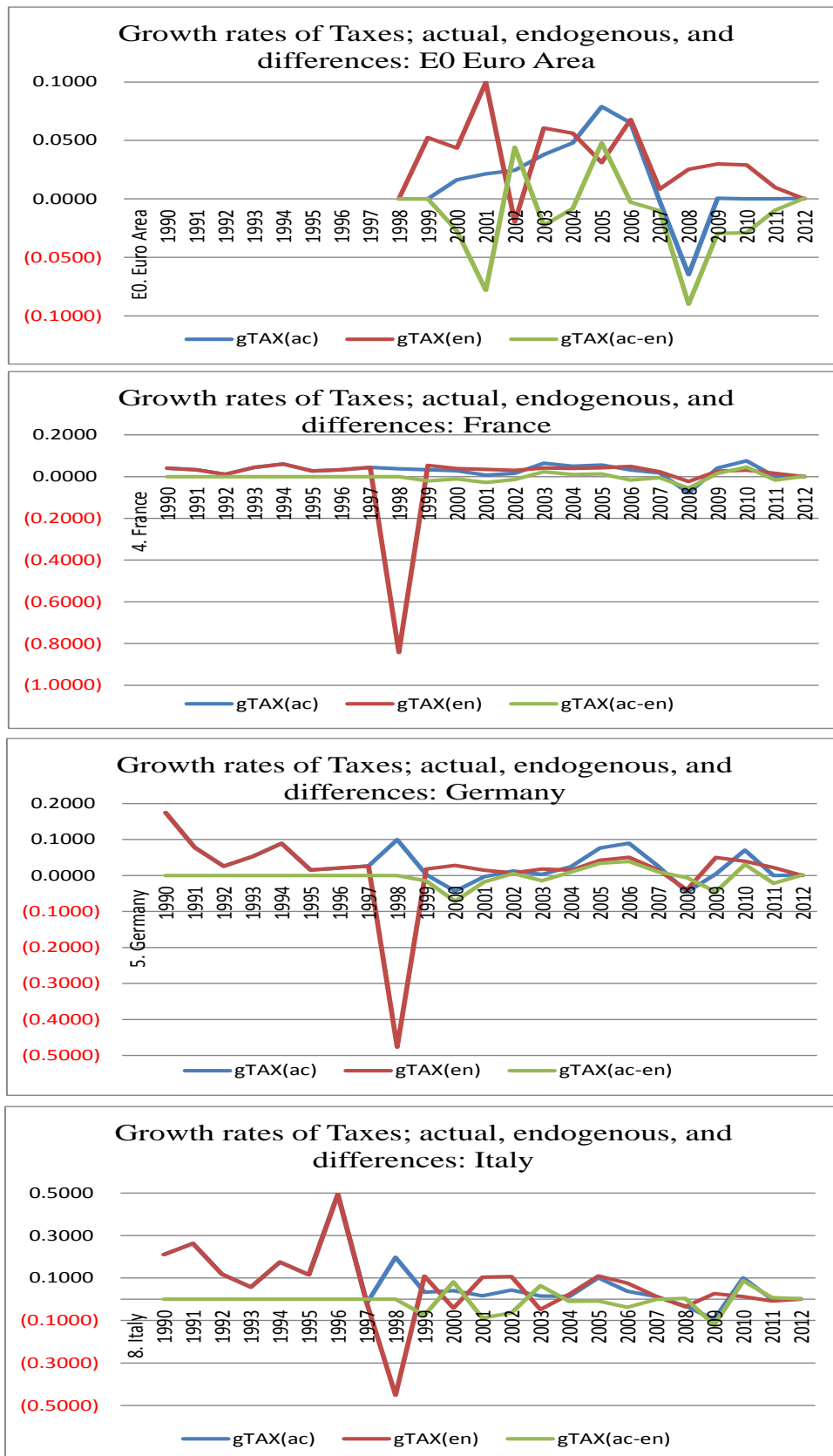


Fig. Euro-34 by G20: GDP-based Taxes

63 GDP-based Figures: G20 & G7 as a whole system

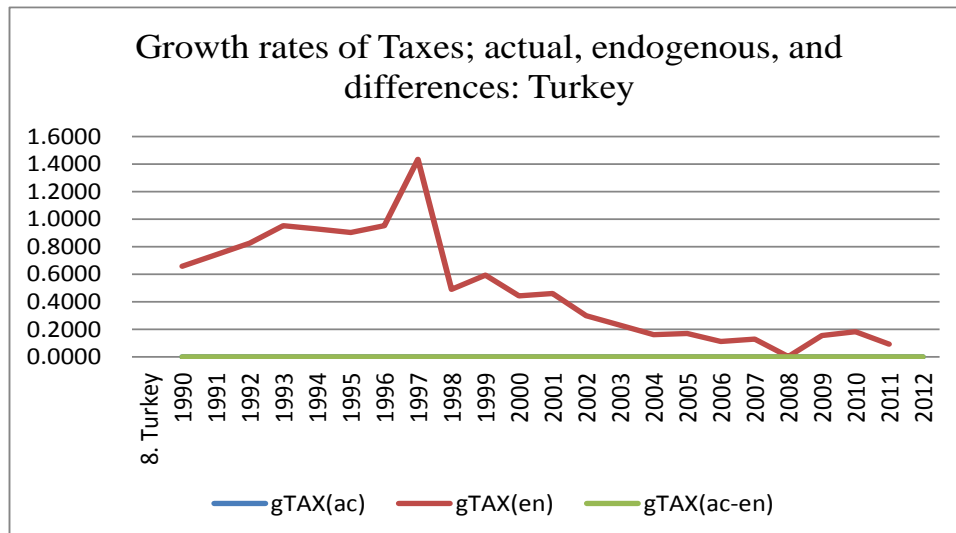
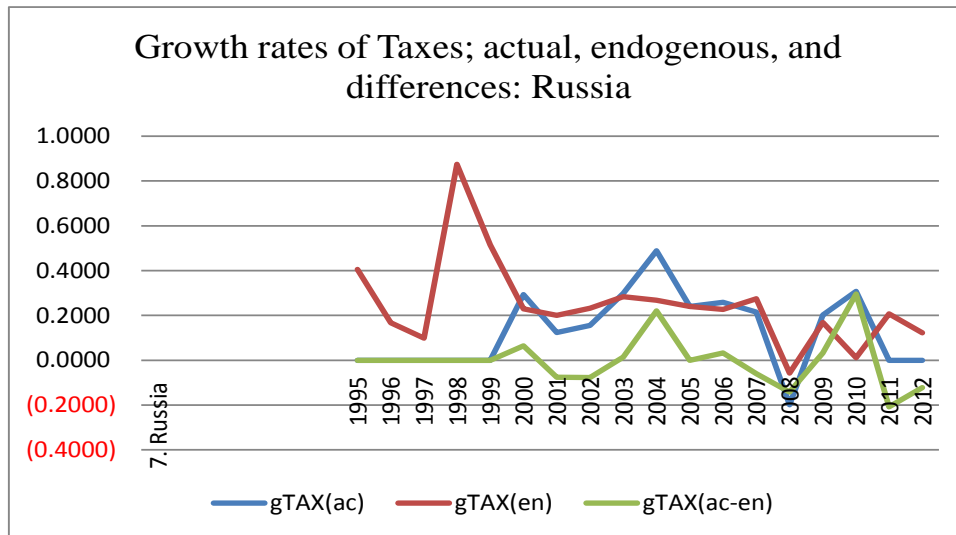
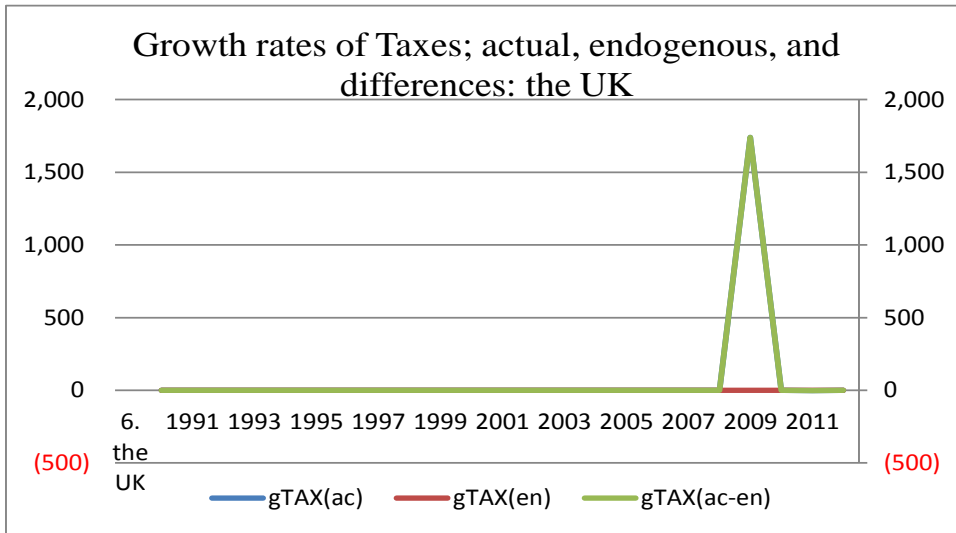


Fig. E&EastE-35 by G20: GDP-based Taxes

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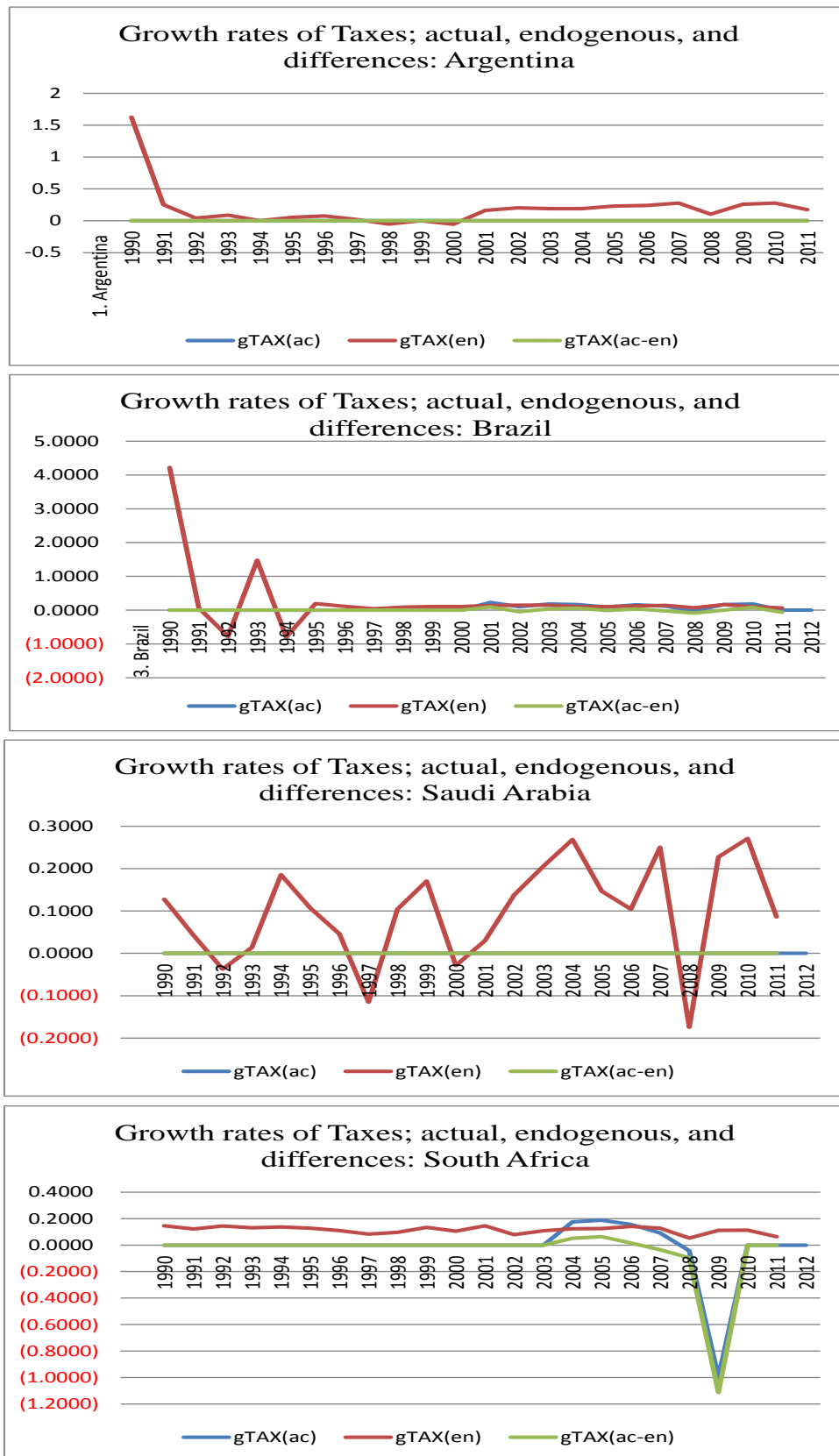


Fig. Rest-36 by G20: GDP-based Taxes

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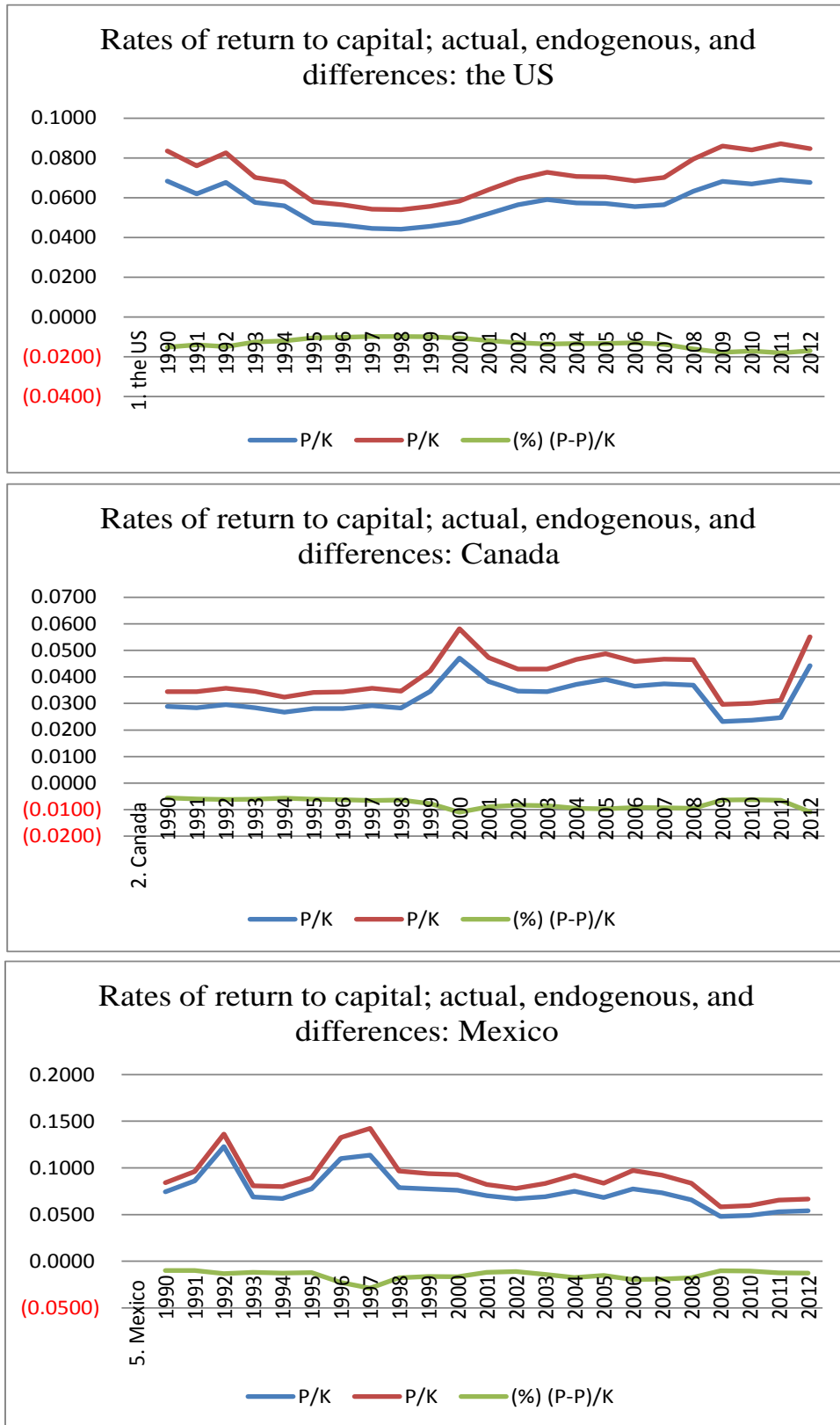


Fig. P&A-37 by G20: GDP-based Rate of return to capital

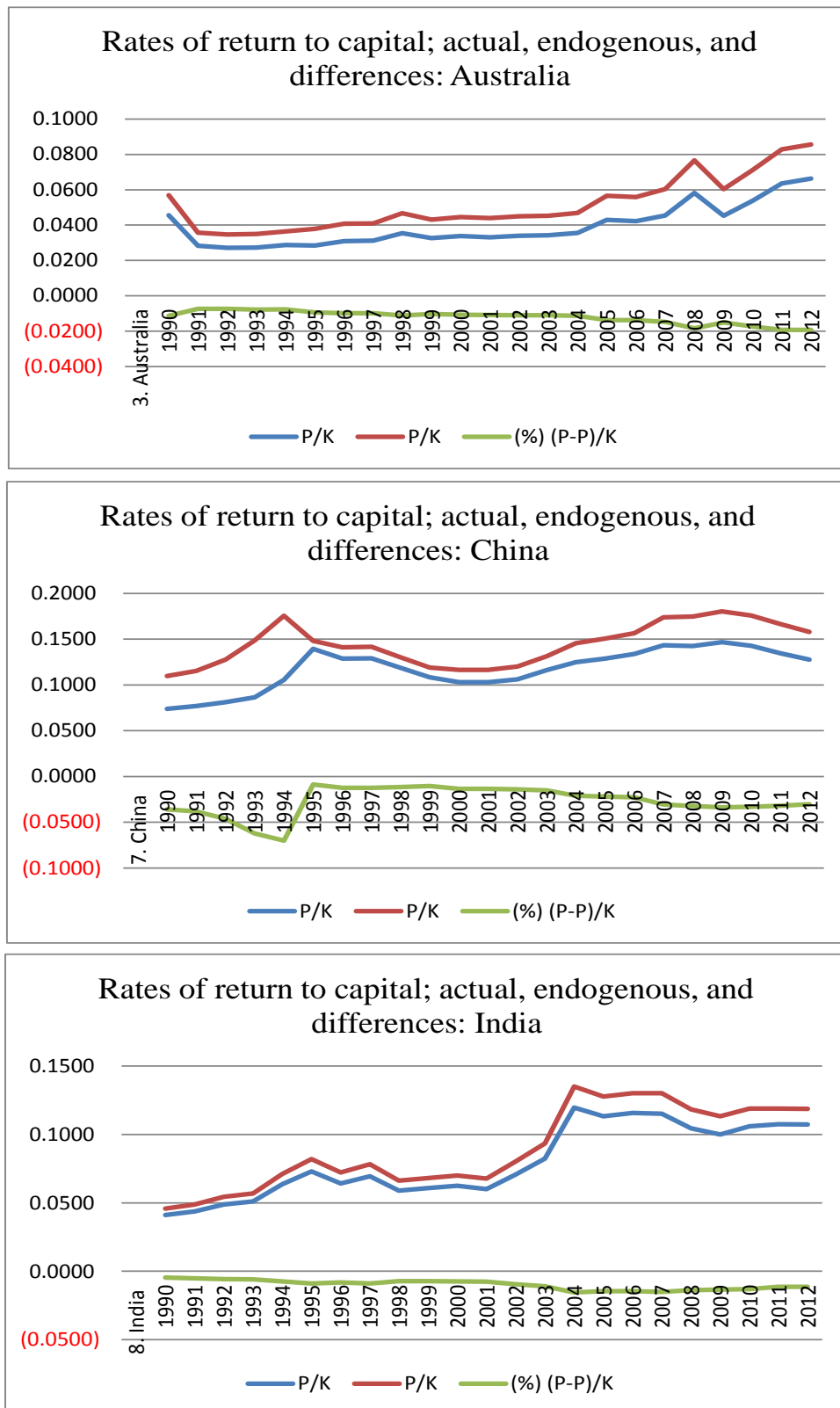


Fig. P&A-38 by G20: GDP-based Rate of return to capital

63 GDP-based Figures: G20 & G7 as a whole system

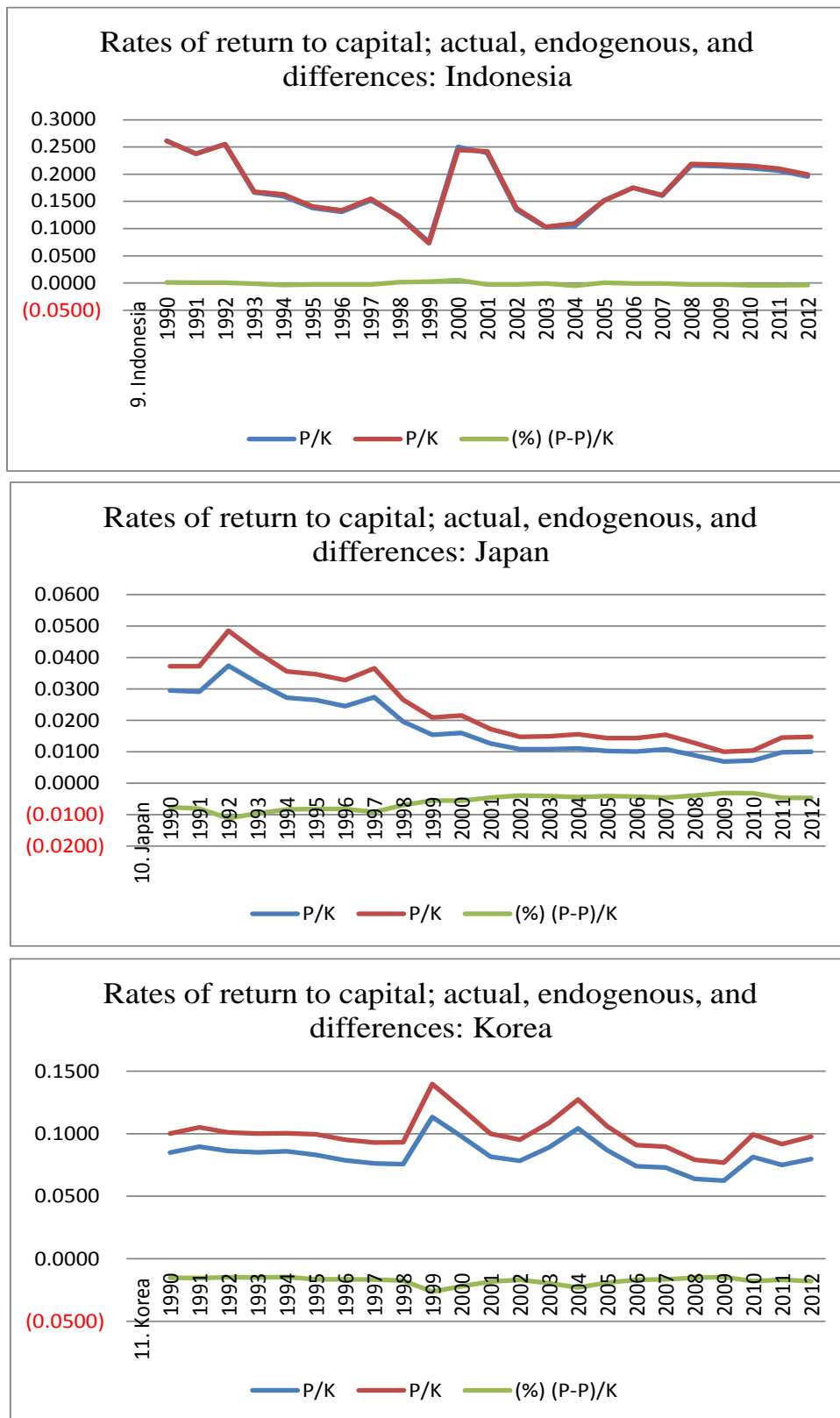


Fig. P&A-39 by G20: GDP-based Rate of return to capital

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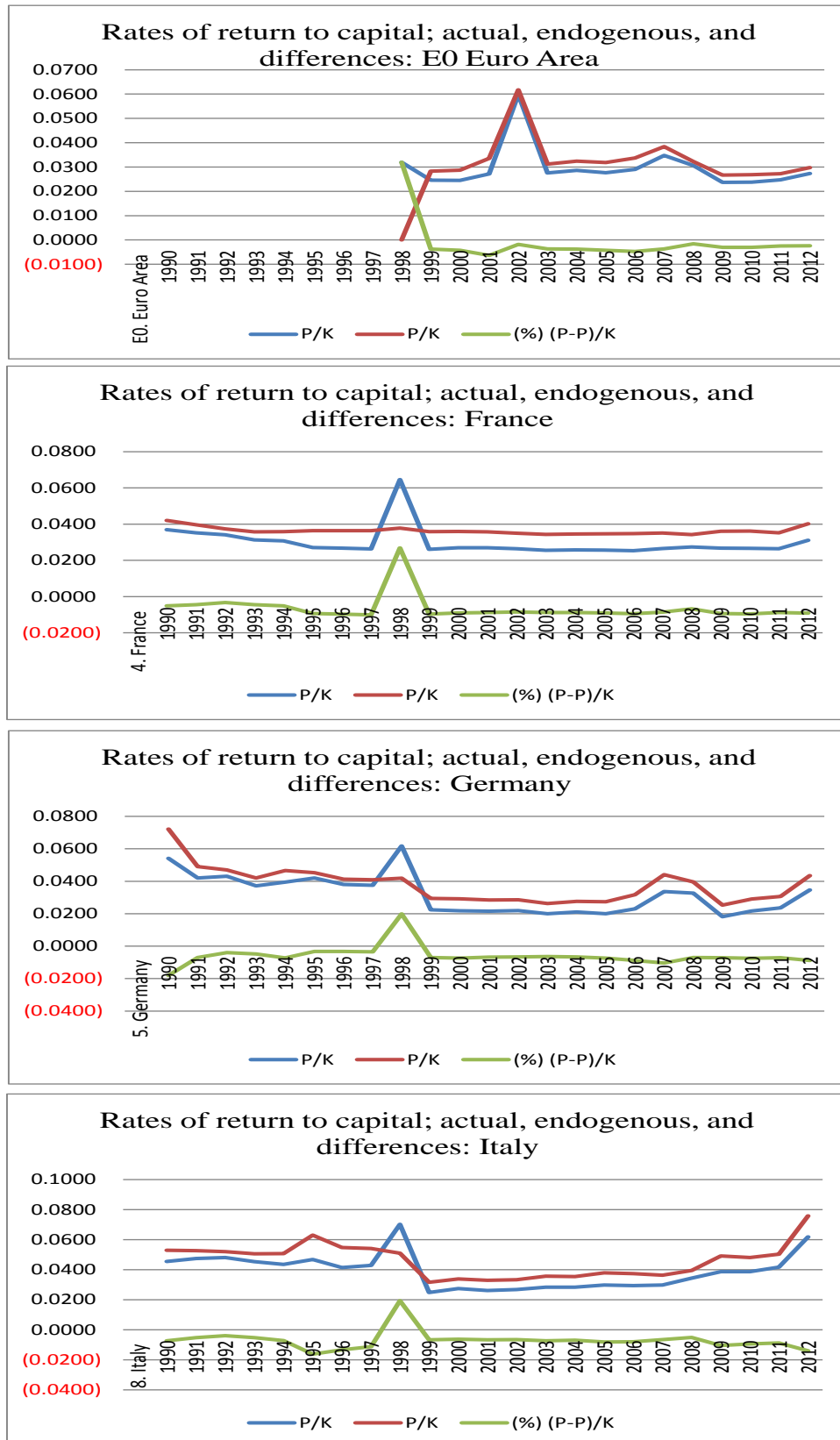


Fig. Euro-40 by G20: GDP-based Rate of return to capital

63 GDP-based Figures: G20 & G7 as a whole system

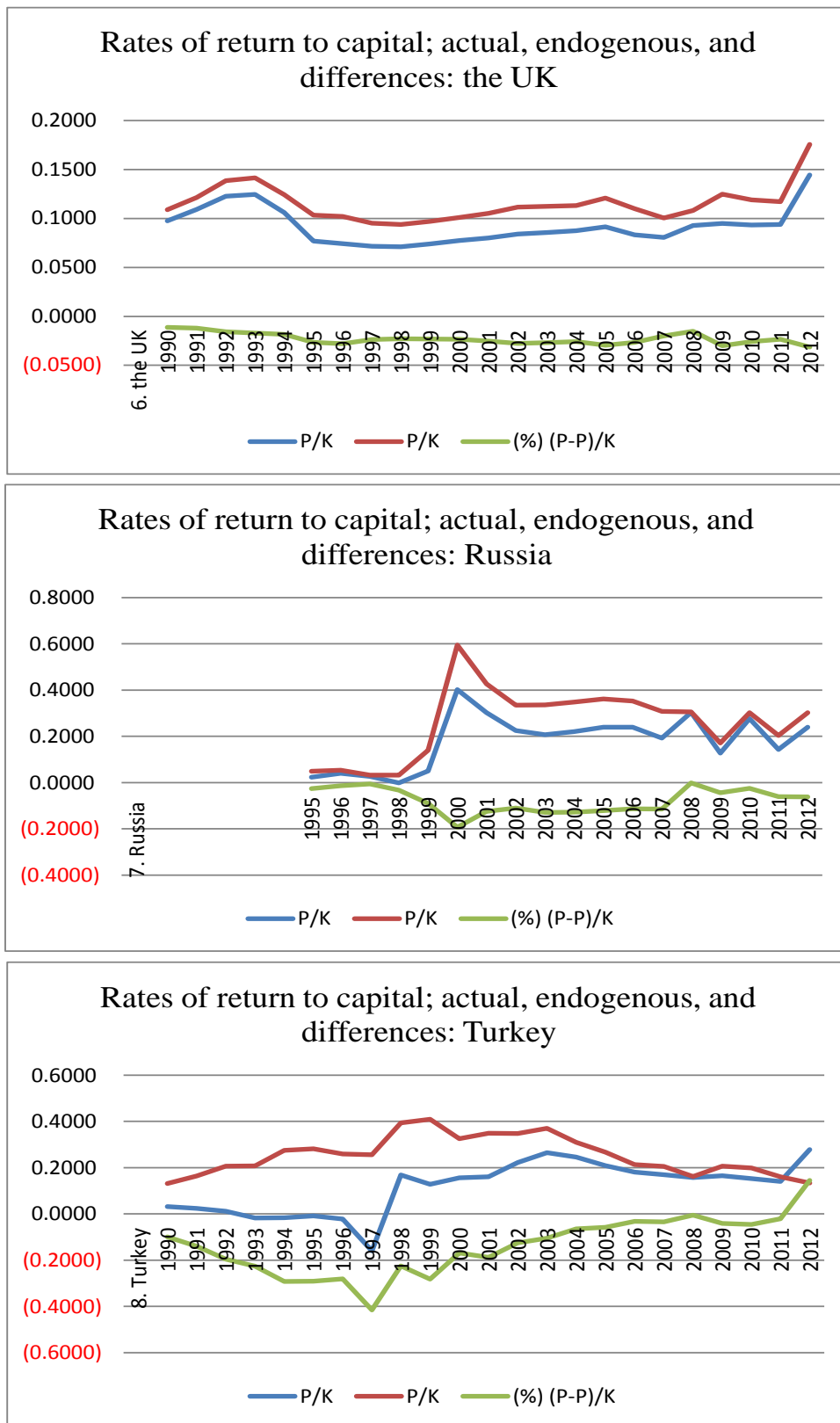


Fig. E&EastE-41 by G20: GDP-based Rate of return to capital

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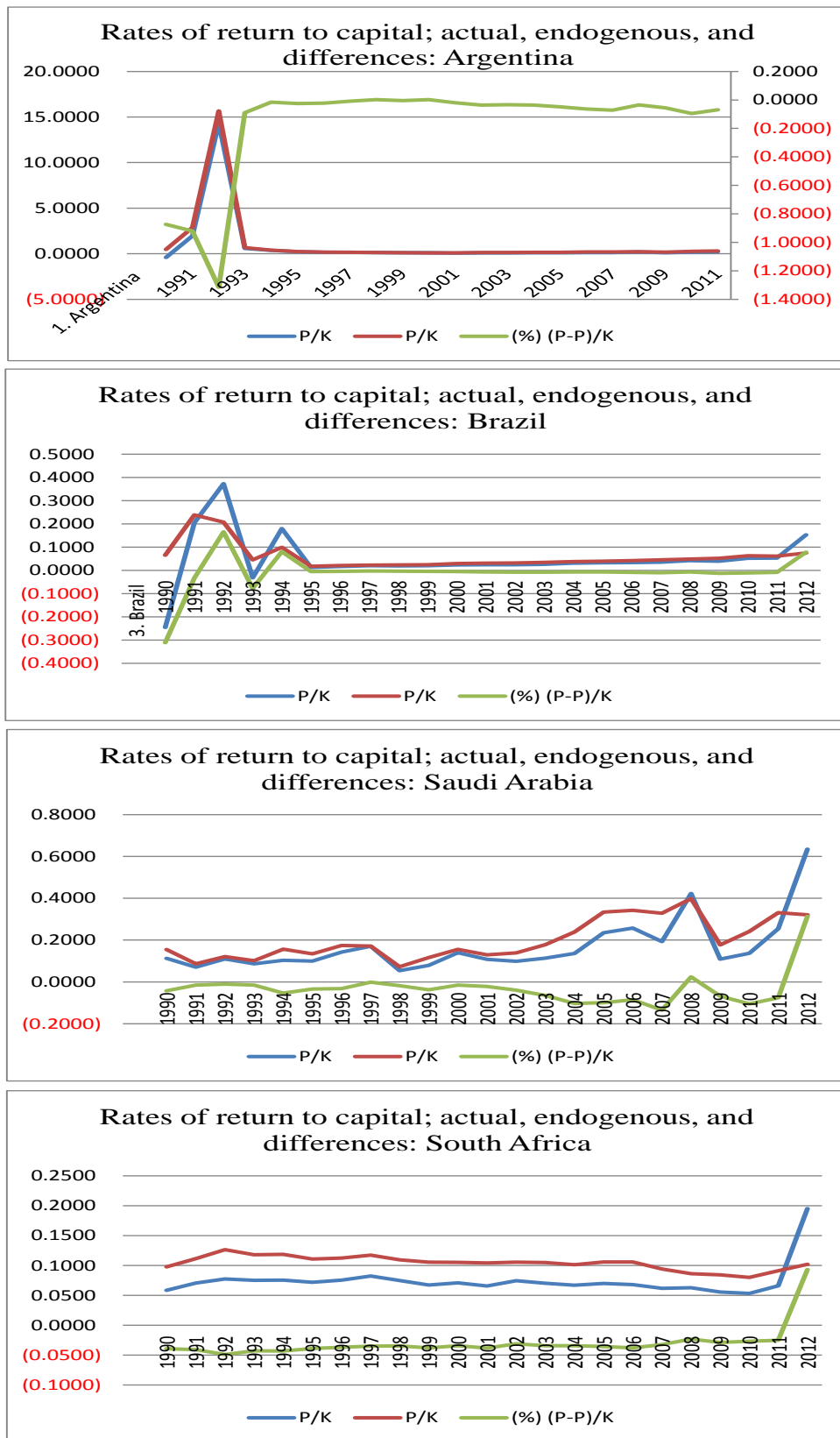


Fig. Rest-42 by G20: GDP-based Rate of return to capital

63 GDP-based Figures: G20 & G7 as a whole system

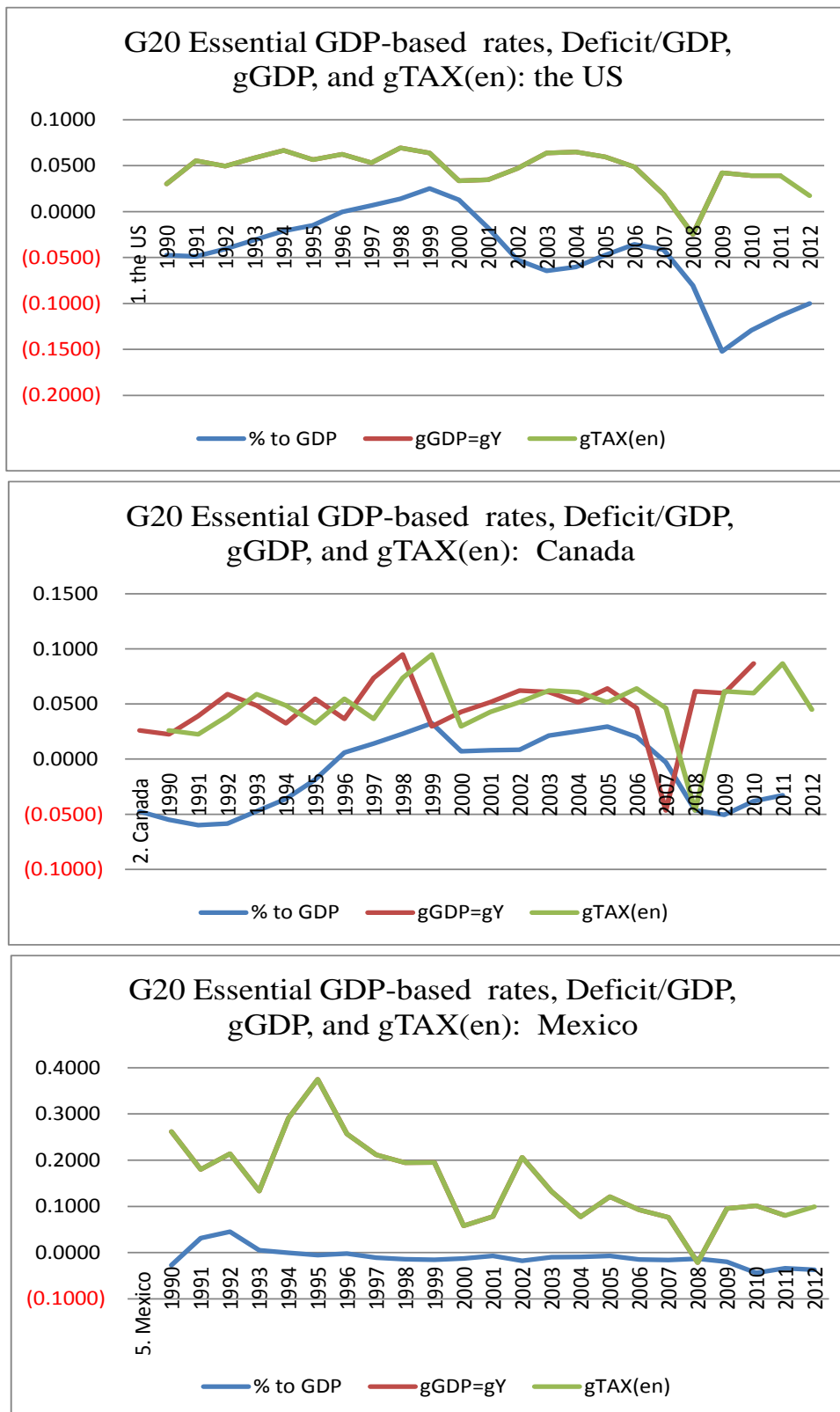


Fig. P&A-43 by G20: GDP-based GDP growth rate and Deficit/GDP in Family X

Appendix 3, HEU

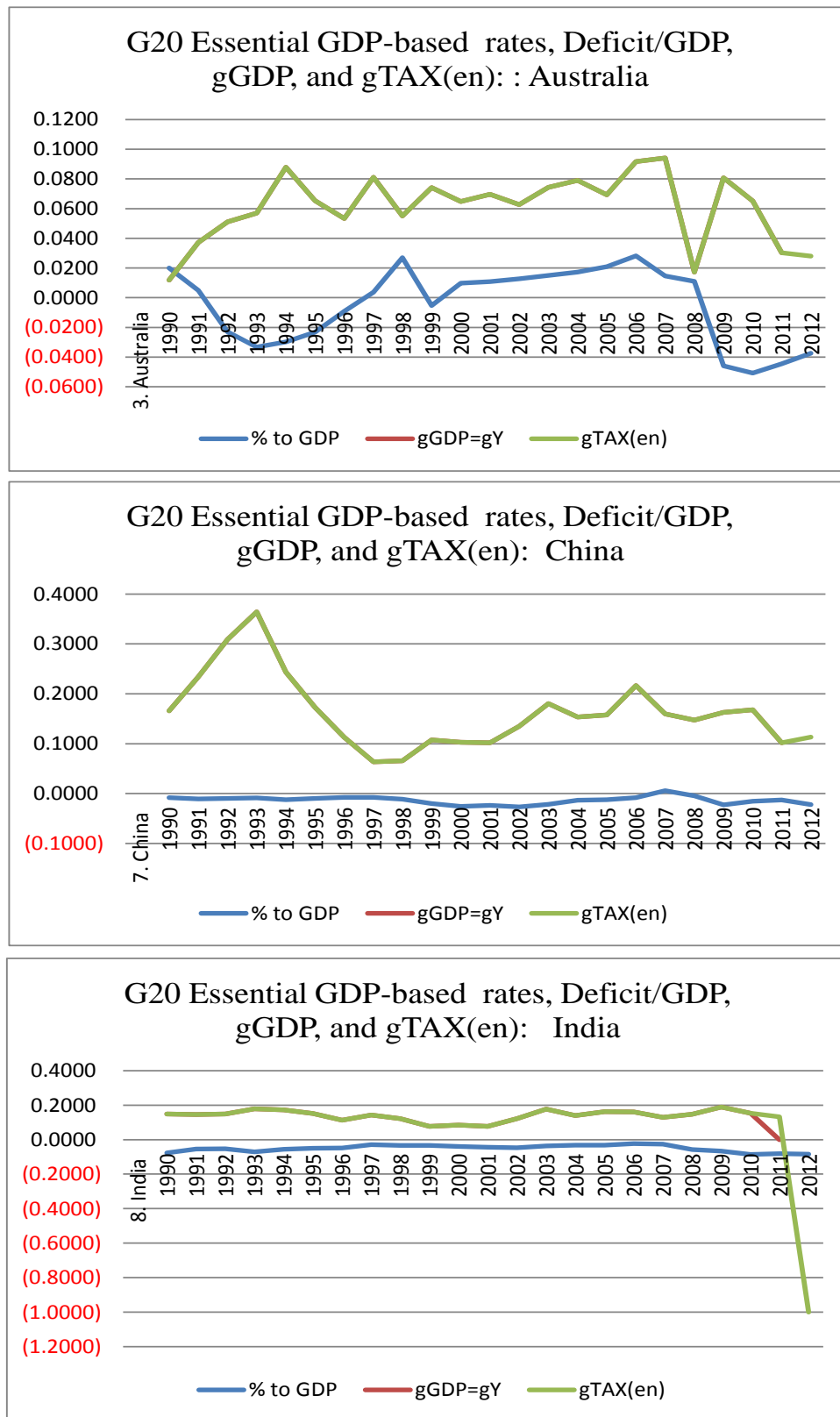


Fig. P&A-44 by G20: GDP-based GDP growth rate and Deficit/GDP in Family X

63 GDP-based Figures: G20 & G7 as a whole system

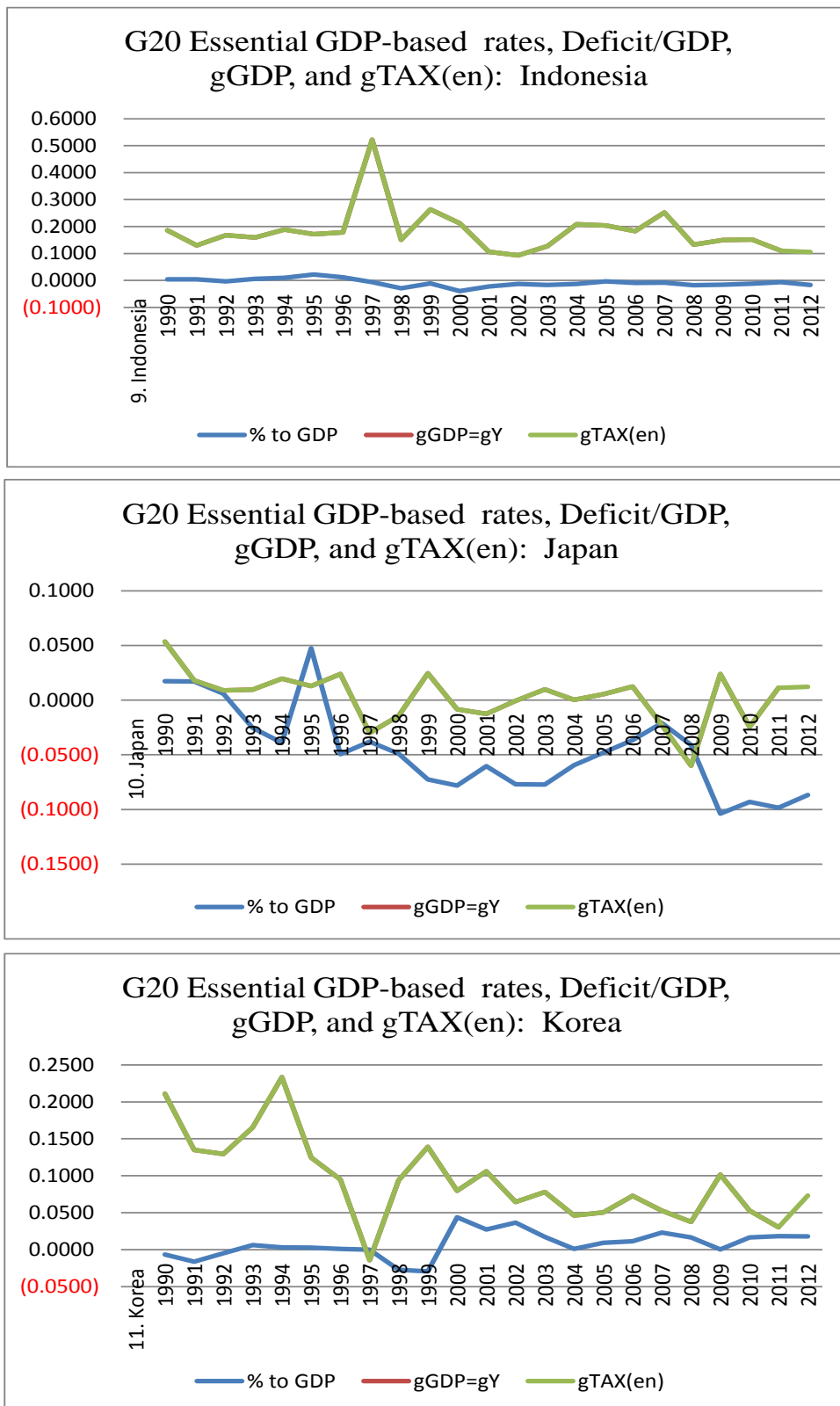


Fig. P&A-45 by G20: GDP-based GDP growth rate and Deficit/GDP in Family X

Appendix 3, HEU

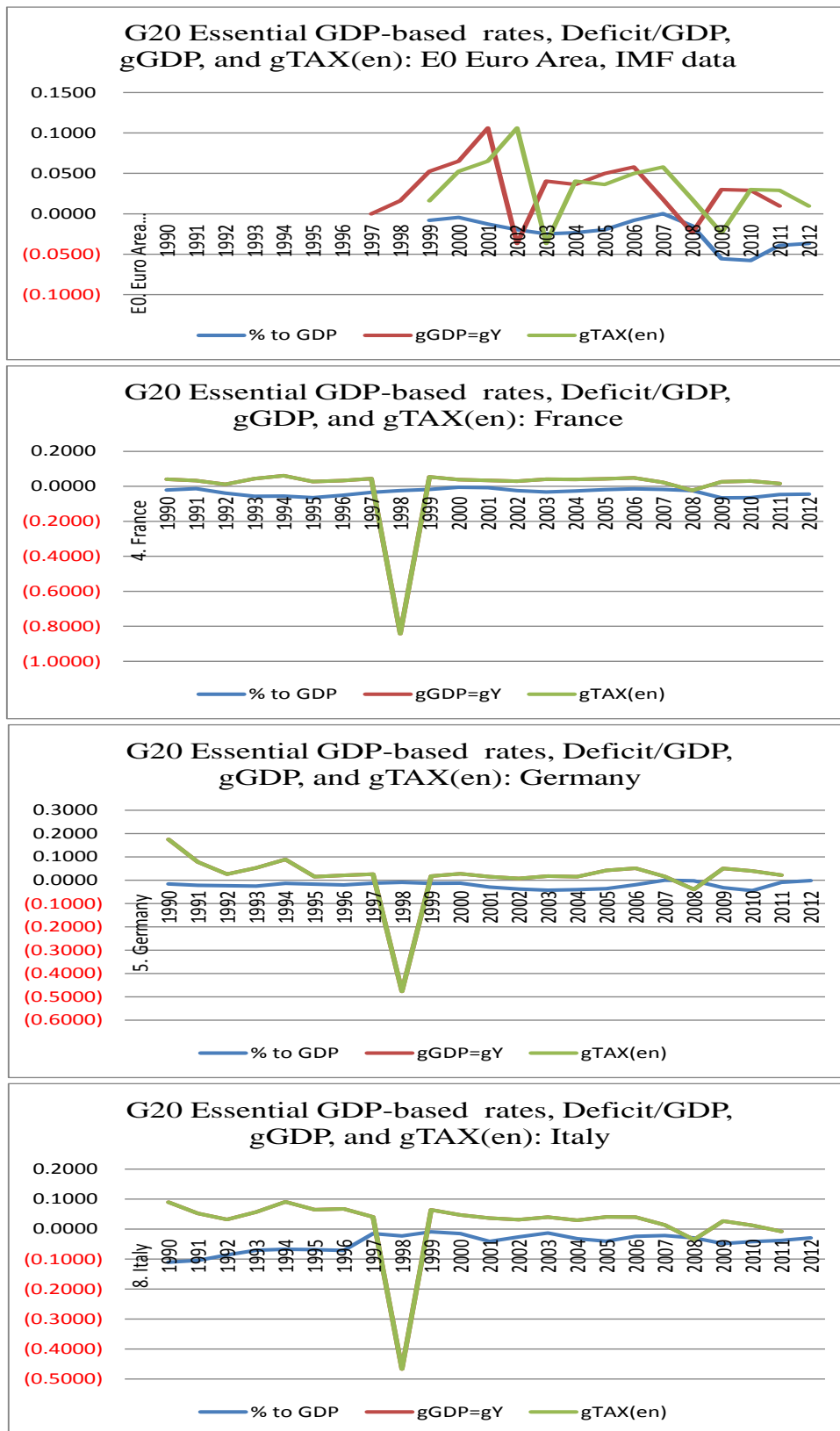


Fig. Euro-46 by G20: GDP-based GDP growth rate and Deficit/GDP in Family X

63 GDP-based Figures: G20 & G7 as a whole system

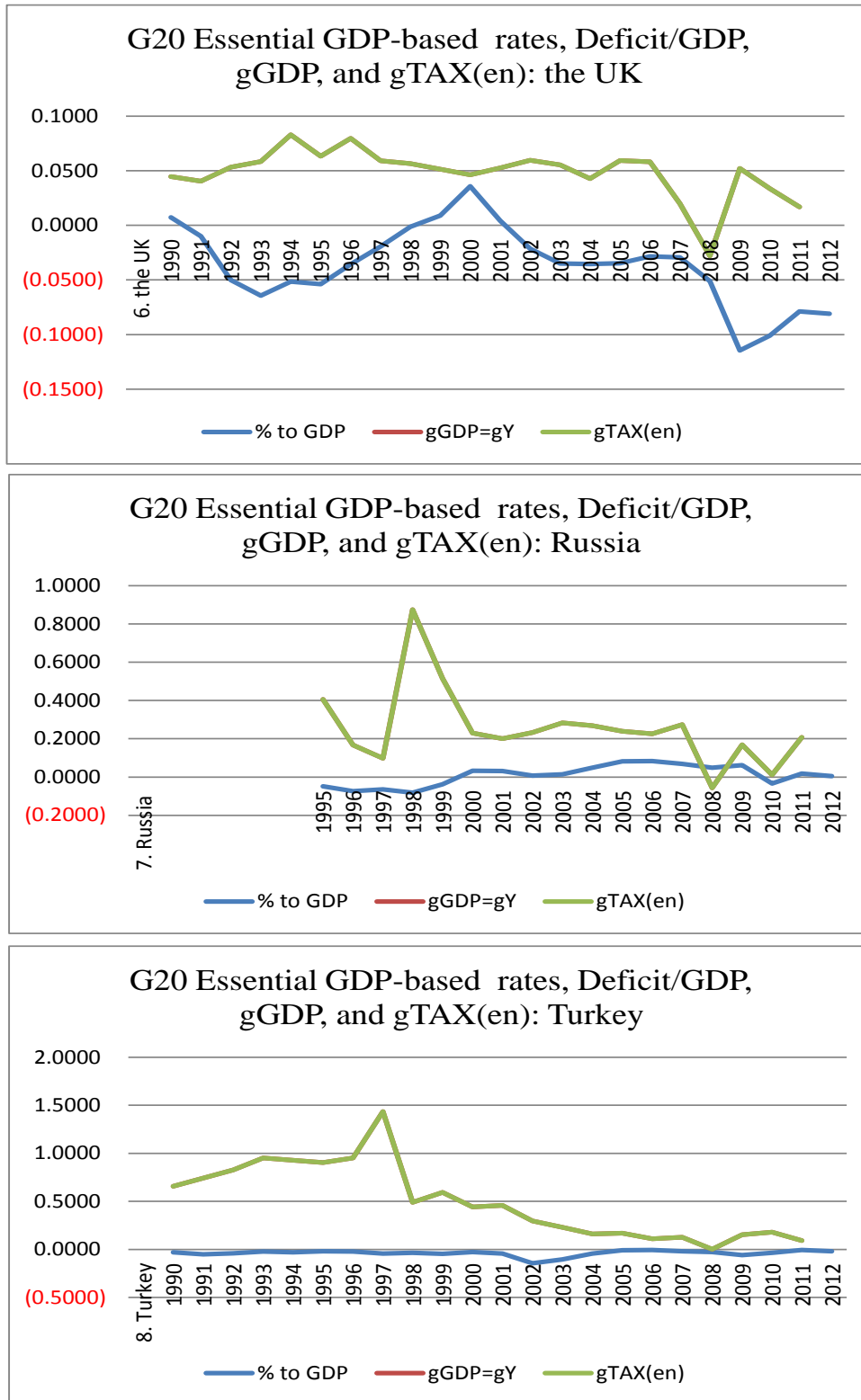


Fig. E&EastE-47 by G20: GDP-based GDP growth rate and Deficit/GDP in Family X

Appendix 3, HEU

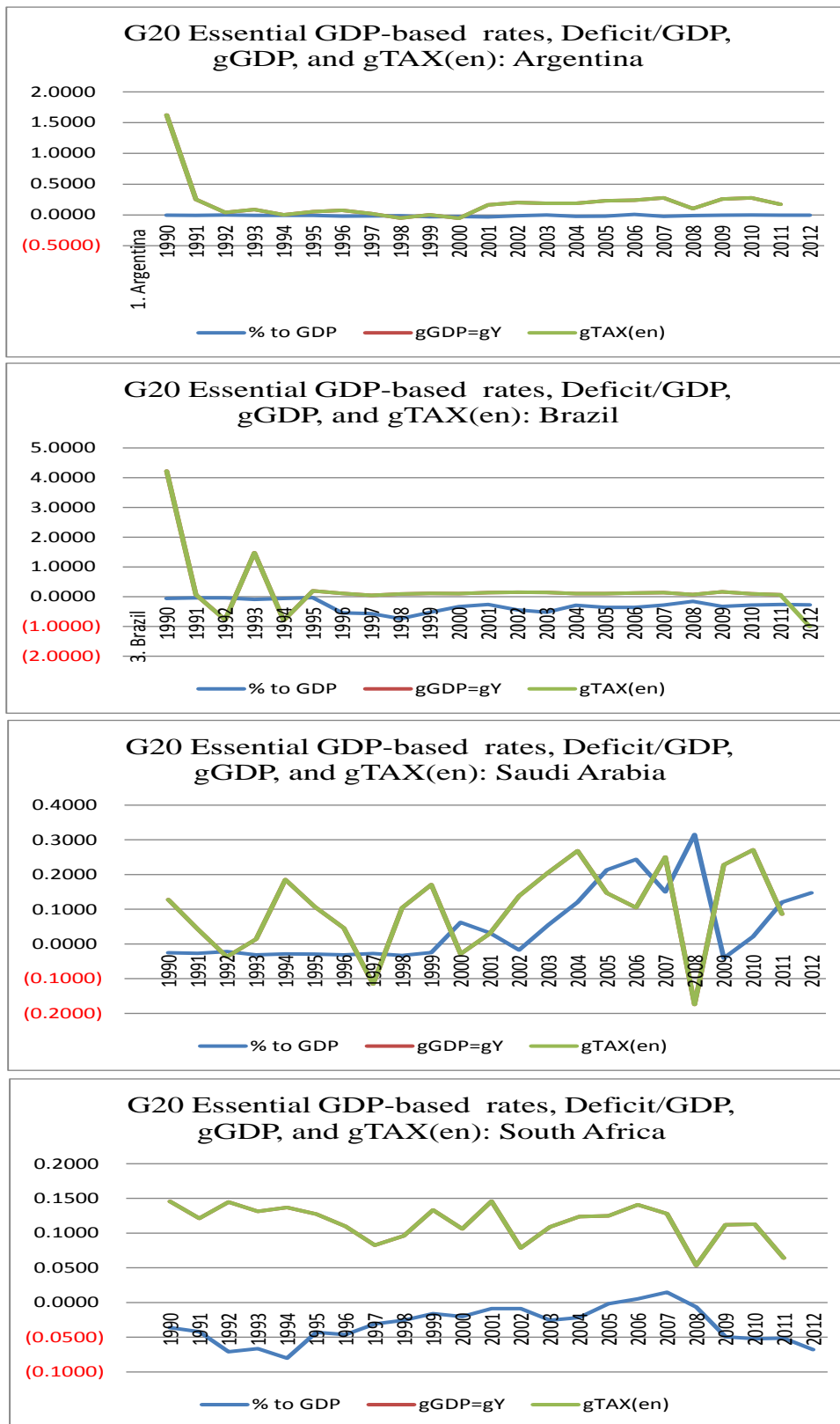


Fig. Rest-48 by G36: GDP-based GDP growth rate and Deficit/GDP in Family X

63 GDP-based Figures: G20 & G7 as a whole system

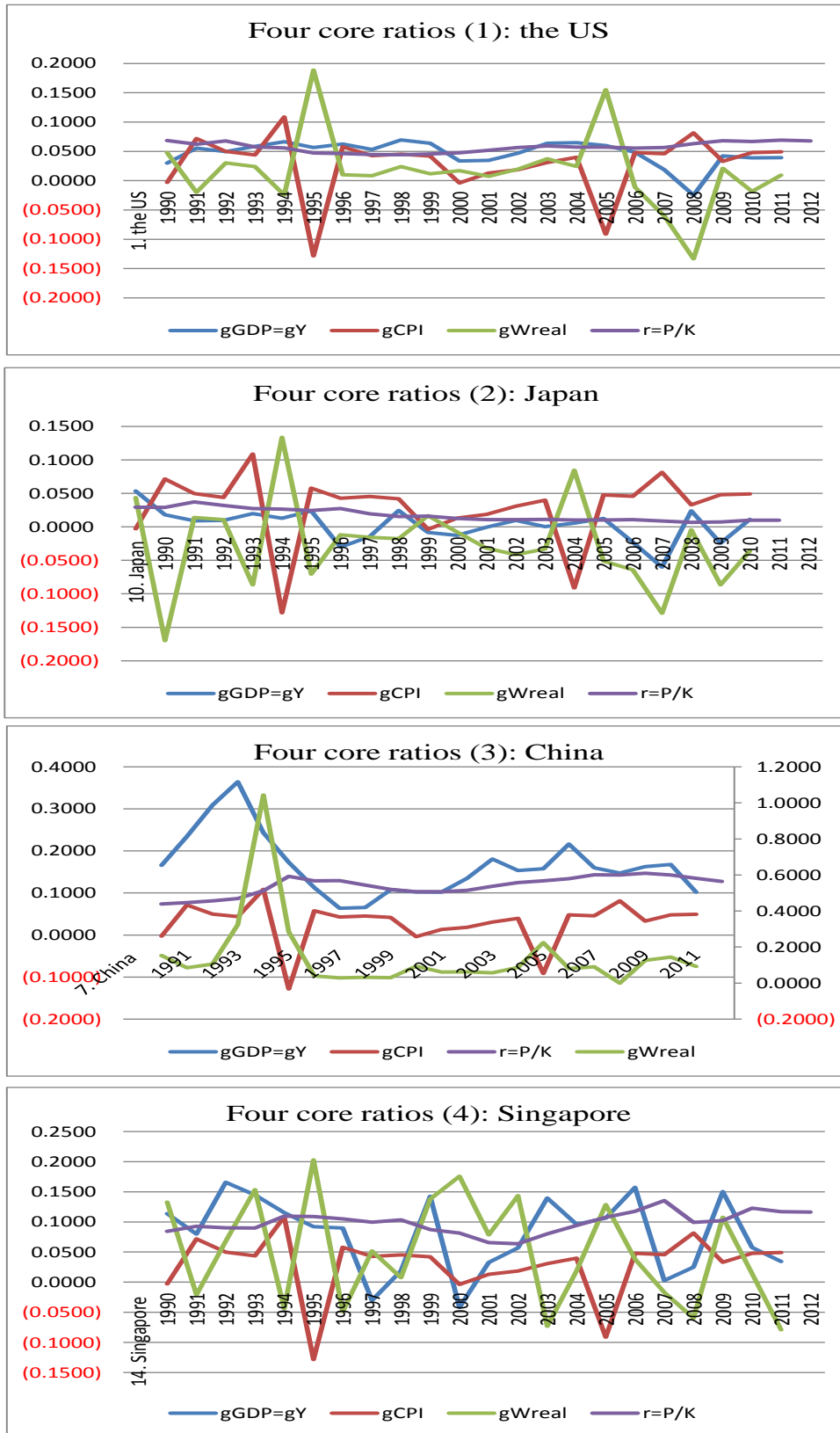


Fig. 49 Comparison of four core ratios: the US, Japan, China, and Singapore

Appendix 3, HEU

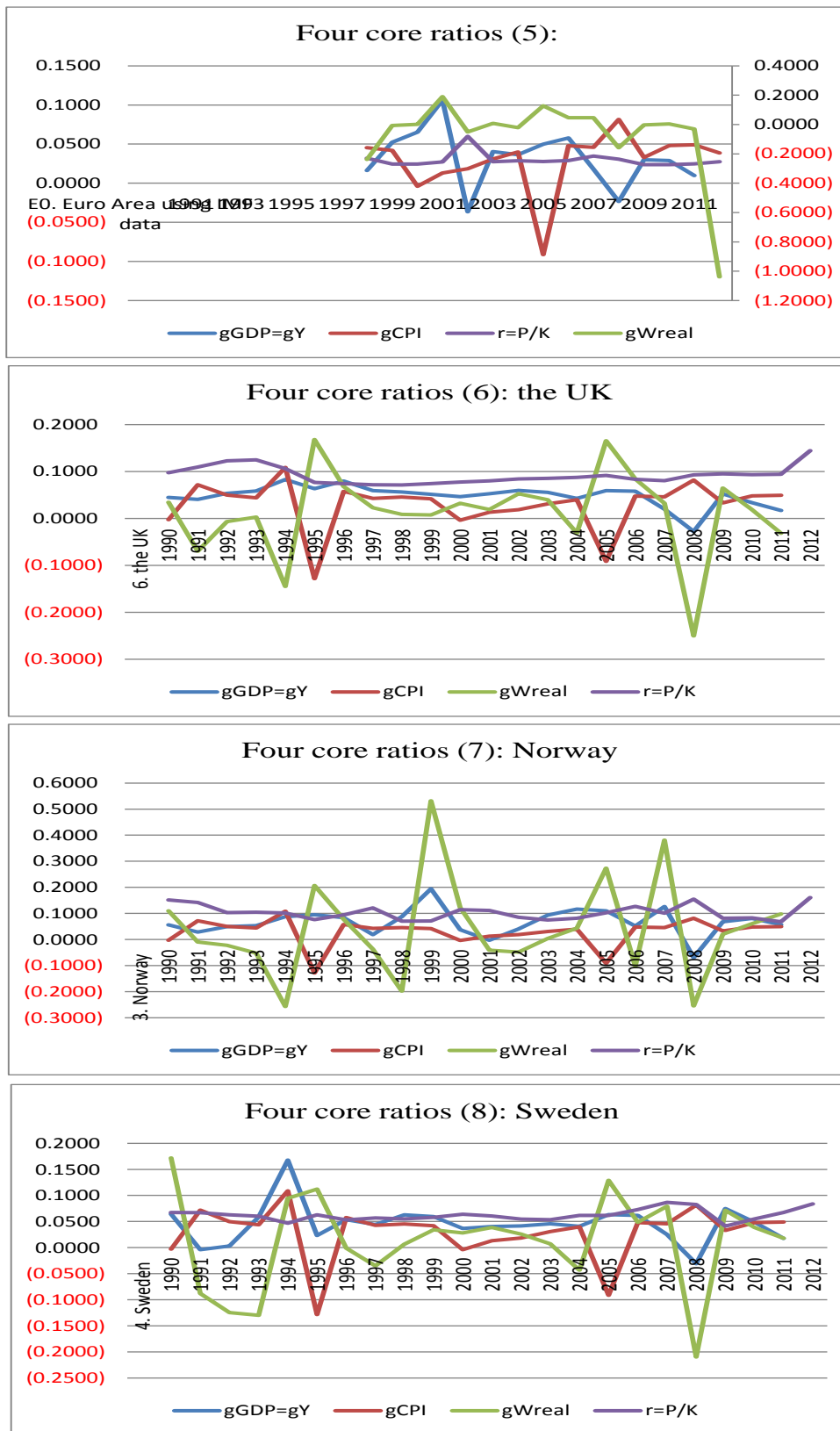


Fig. 50 Comparison of four core ratios: Euro Area, the UK, Norway, and Sweden

63 GDP-based Figures: G20 & G7 as a whole system

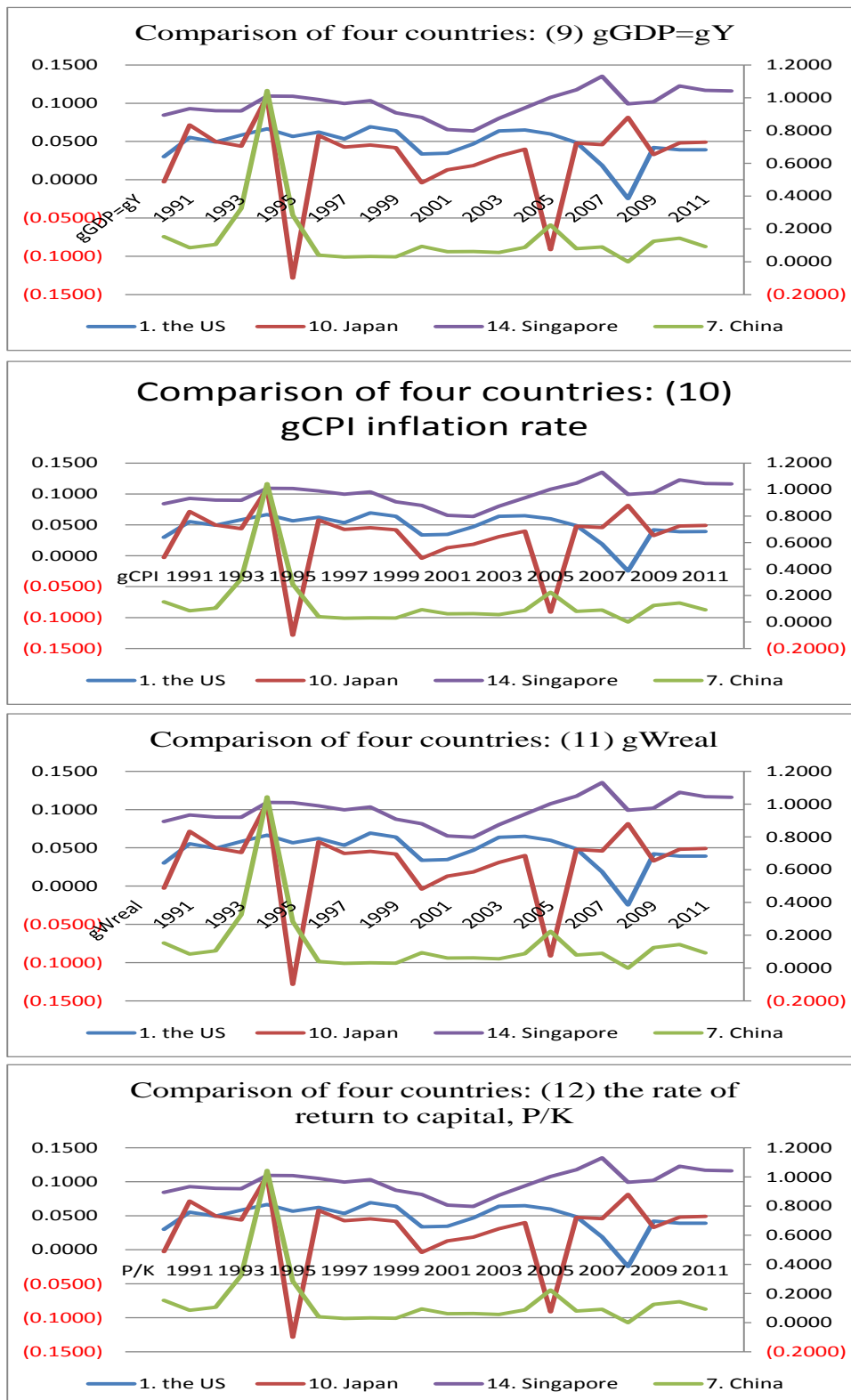


Fig. 51 Comparison of the same four countries by core ratio: $gGDP=gY$, $gCPI$, $gWreal$, and rate of return to capital (1)

Appendix 3, HEU

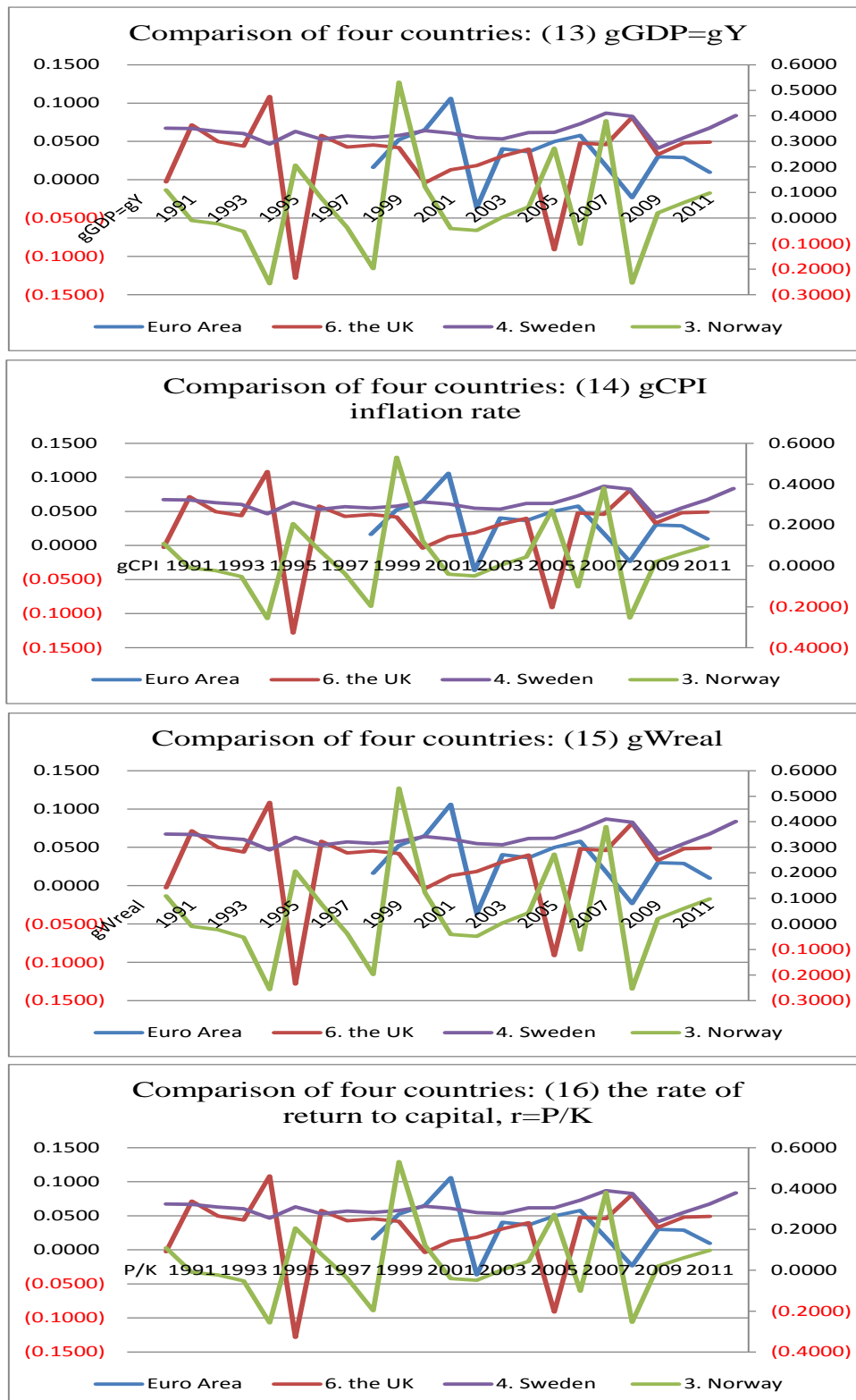


Fig. 52 Comparison of the same four countries by core ratio: gGDP=gY, gCPI, gWreal, and rate of return to capital (2)

63 GDP-based Figures: G20 & G7 as a whole system

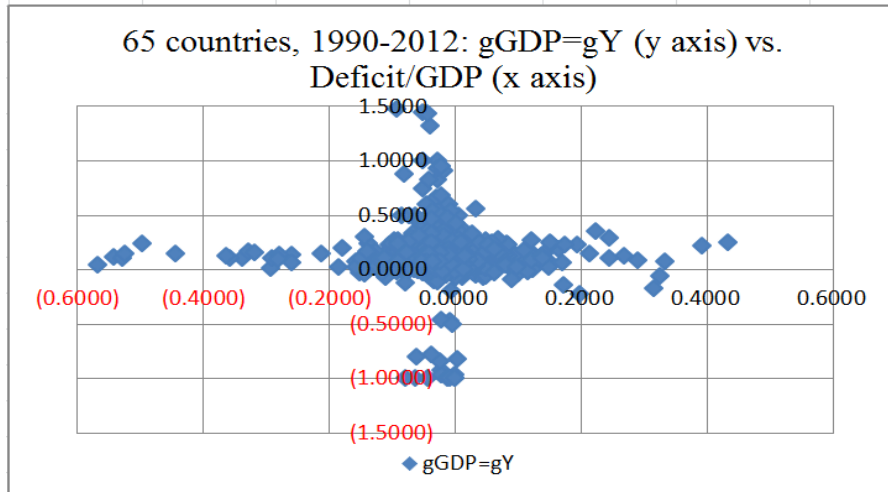


Fig. 53-1 Cross section analysis for 65 countries, 1990-2012, measure-broadly

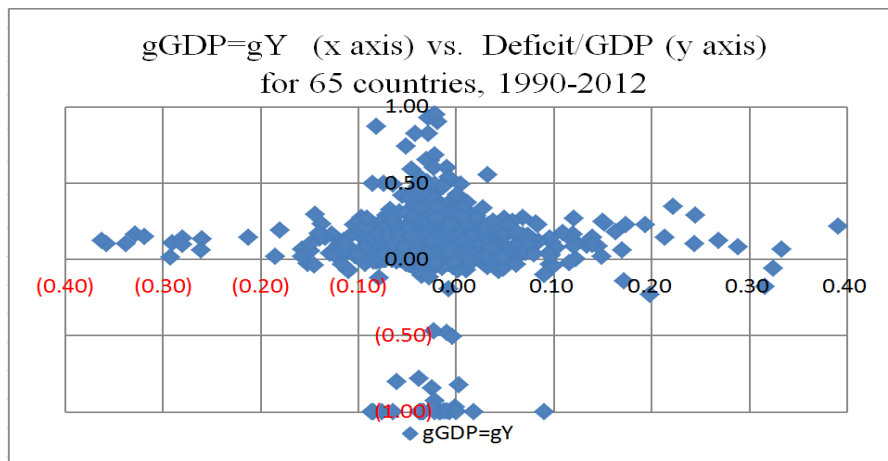


Fig. 53-2 Cross section analysis for 65 countries, 1990-2012, measure-moderately

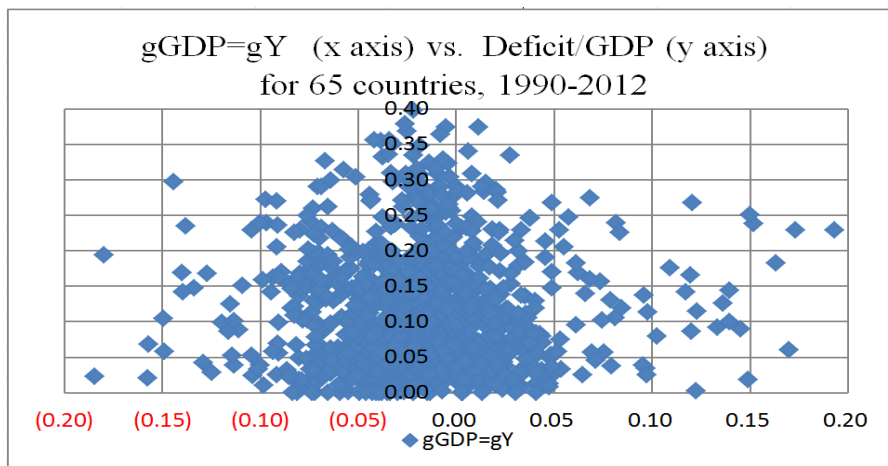


Fig. 53-3 Cross section analysis for 65 countries, 1990-2012, measure-narrowly

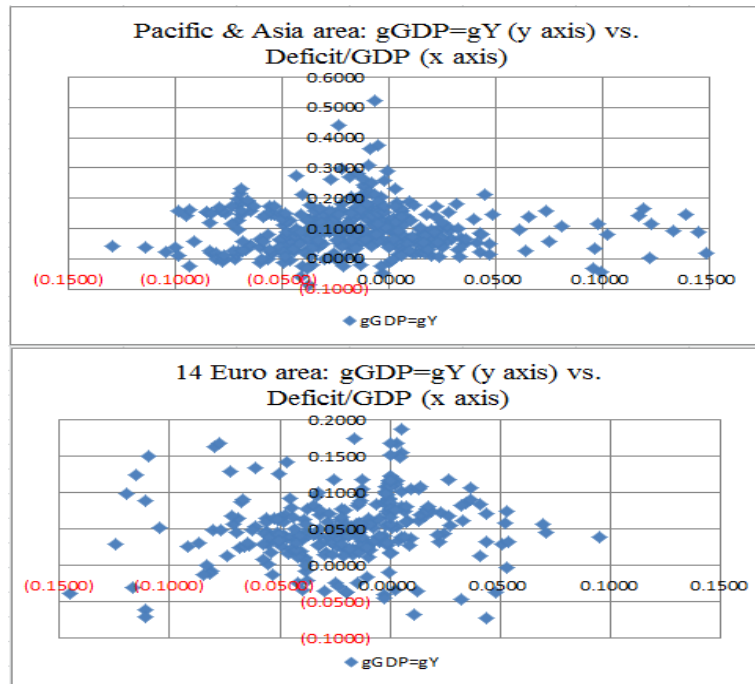


Fig. 54-1 Cross section analysis for 17 Pacific & Asia area and 14 Euro area, 1990-2012, measure-moderately

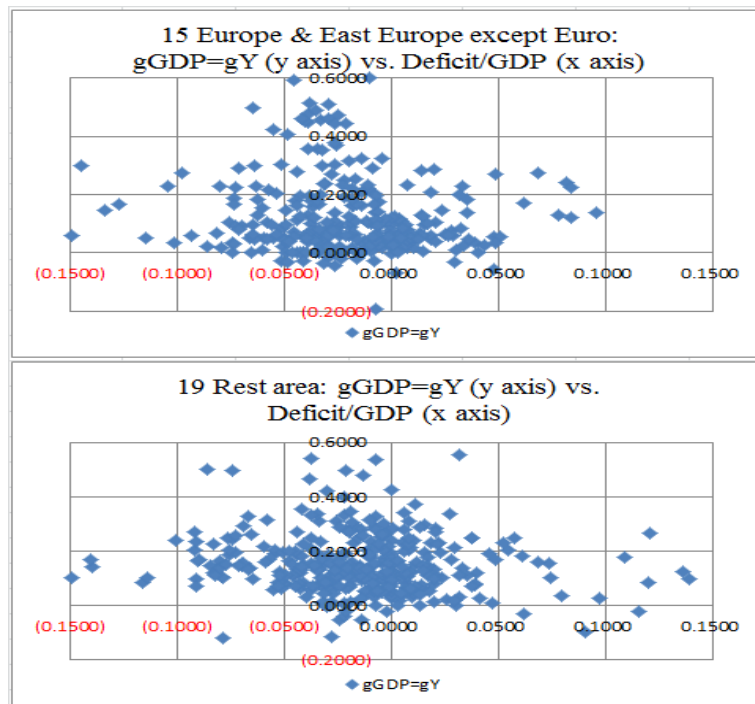


Fig. 54-2 Cross section analysis for 15 Europe & East Europe area and 19 Rest area, 1990-2012, measure-moderately

63 GDP-based Figures: G20 & G7 as a whole system

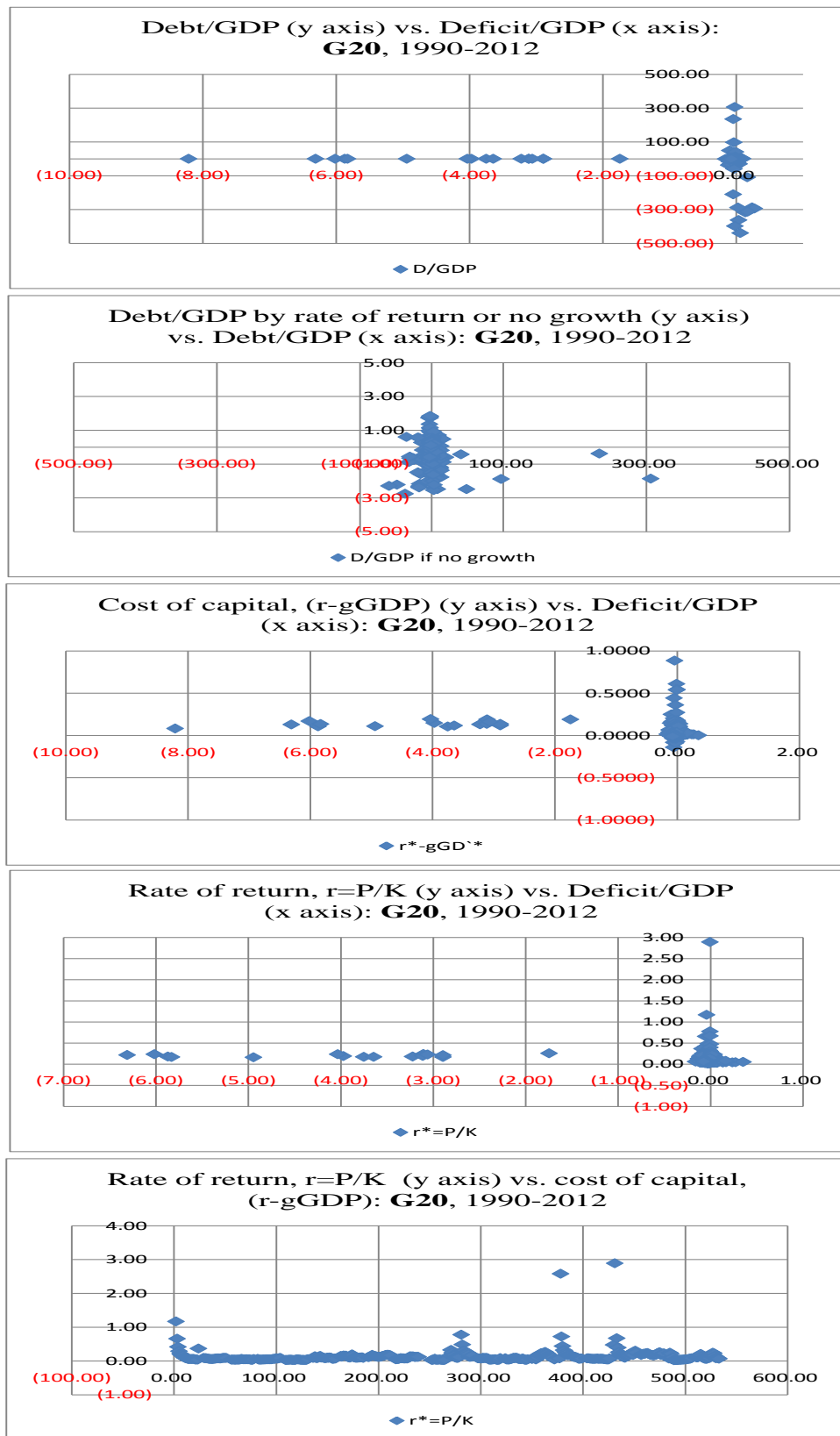


Fig. 55 Cross section Debt & Deficit: for G20, 1990-2012, measure-broadly

Appendix 3, *HEU*

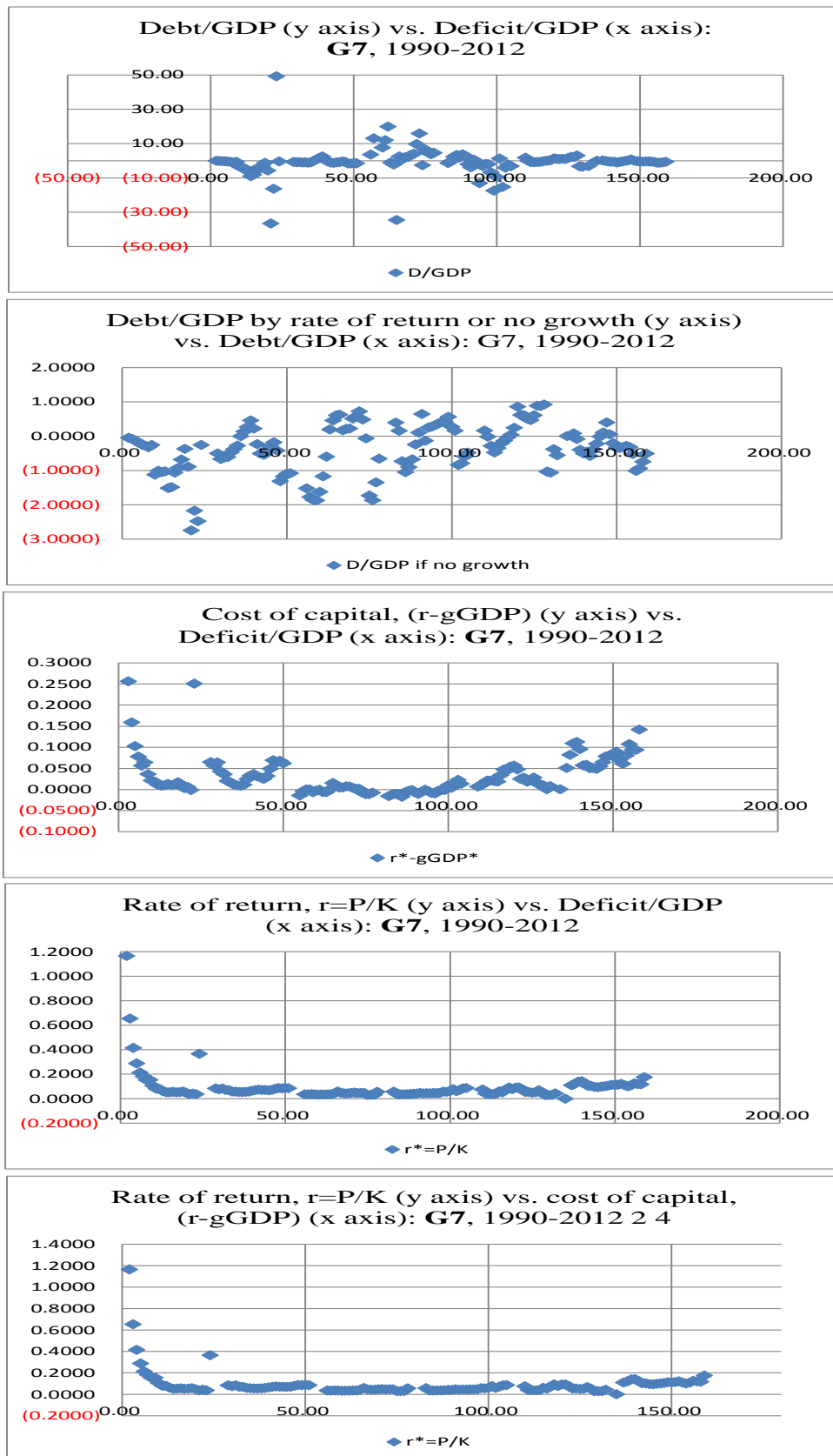


Fig. 56 Cross section Debt & Deficit: for G7, 1990-2012, measure-broadly

63 GDP-based Figures: G20 & G7 as a whole system

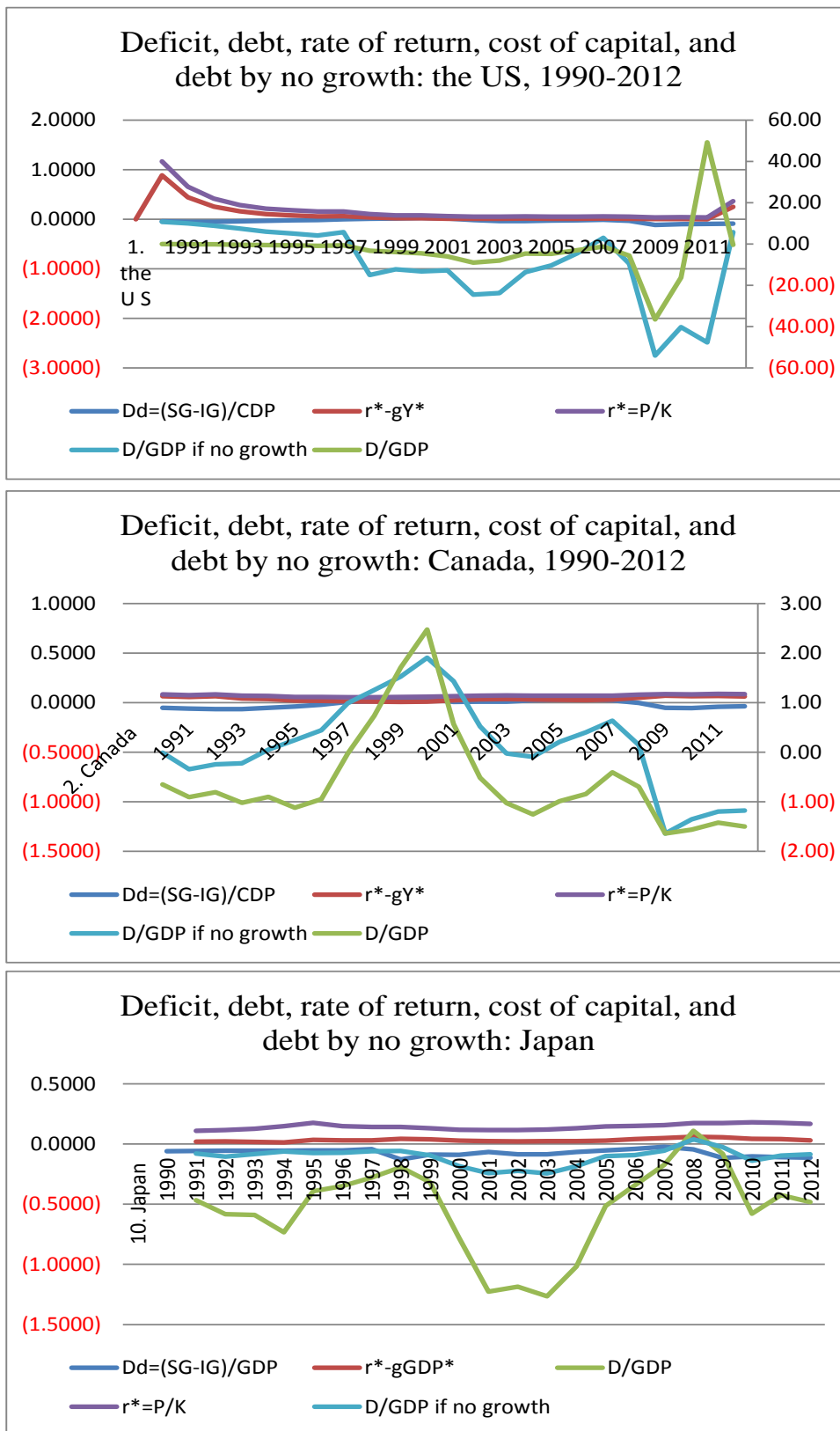


Fig. 57-1 Time Series Debt & Deficit: for G7, 1990-2012, measure-broadly

Appendix 3, HEU

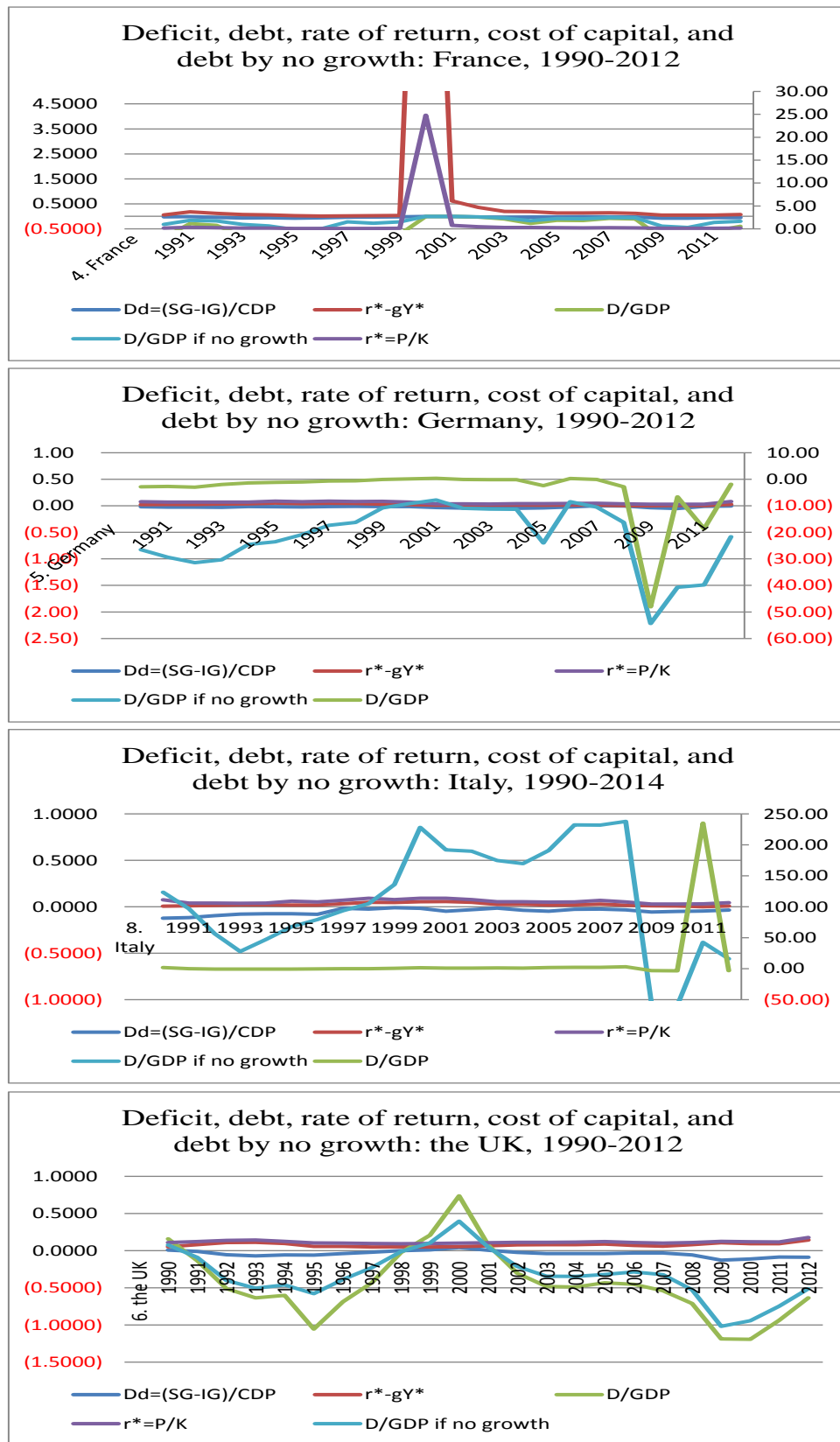


Fig. 57-2 Time Series Debt & Deficit: for G7, 1990-2012, measure-broadly

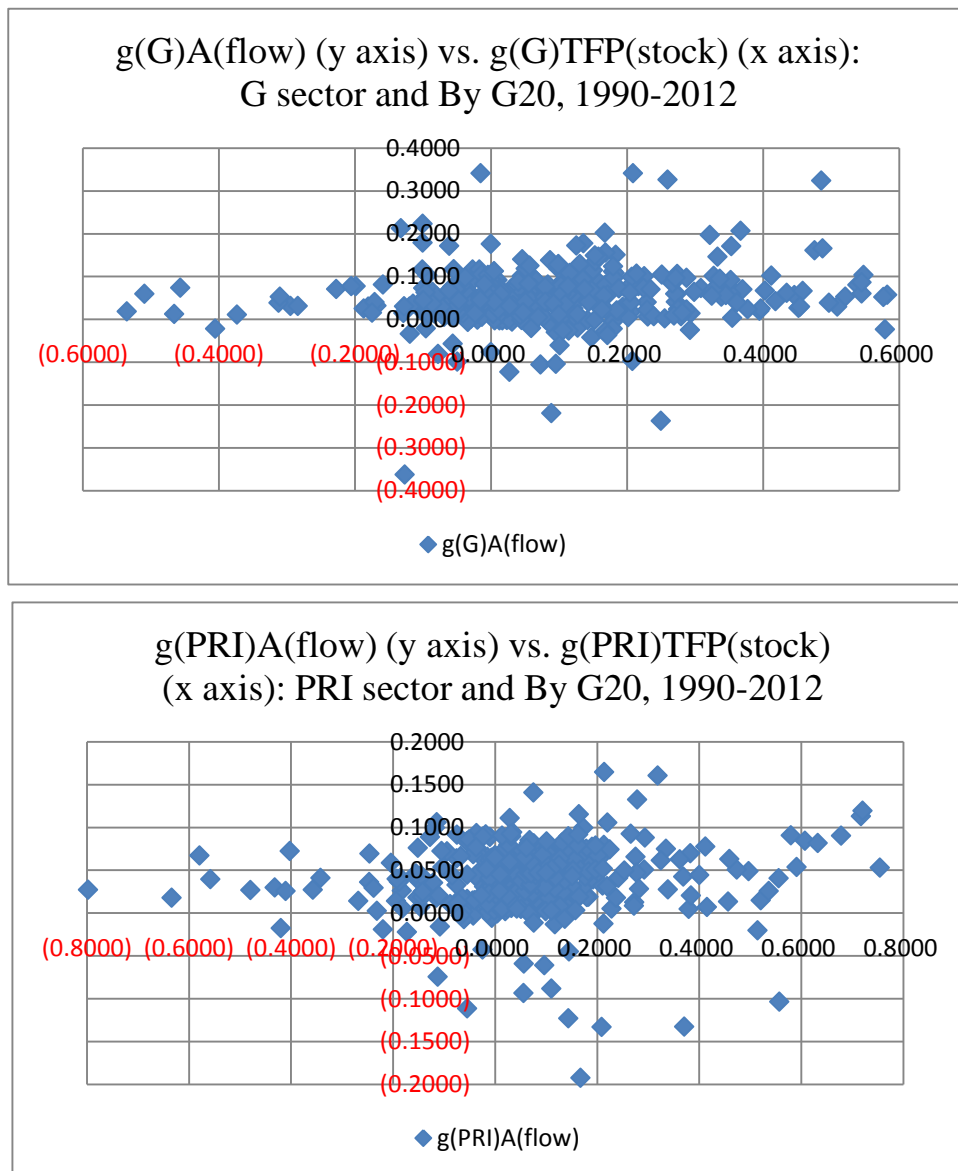


Fig. 58 Cross section, G20: rate of technology (flow) vs. growth rate of TFP (stock), By the G sector, 1990-2012

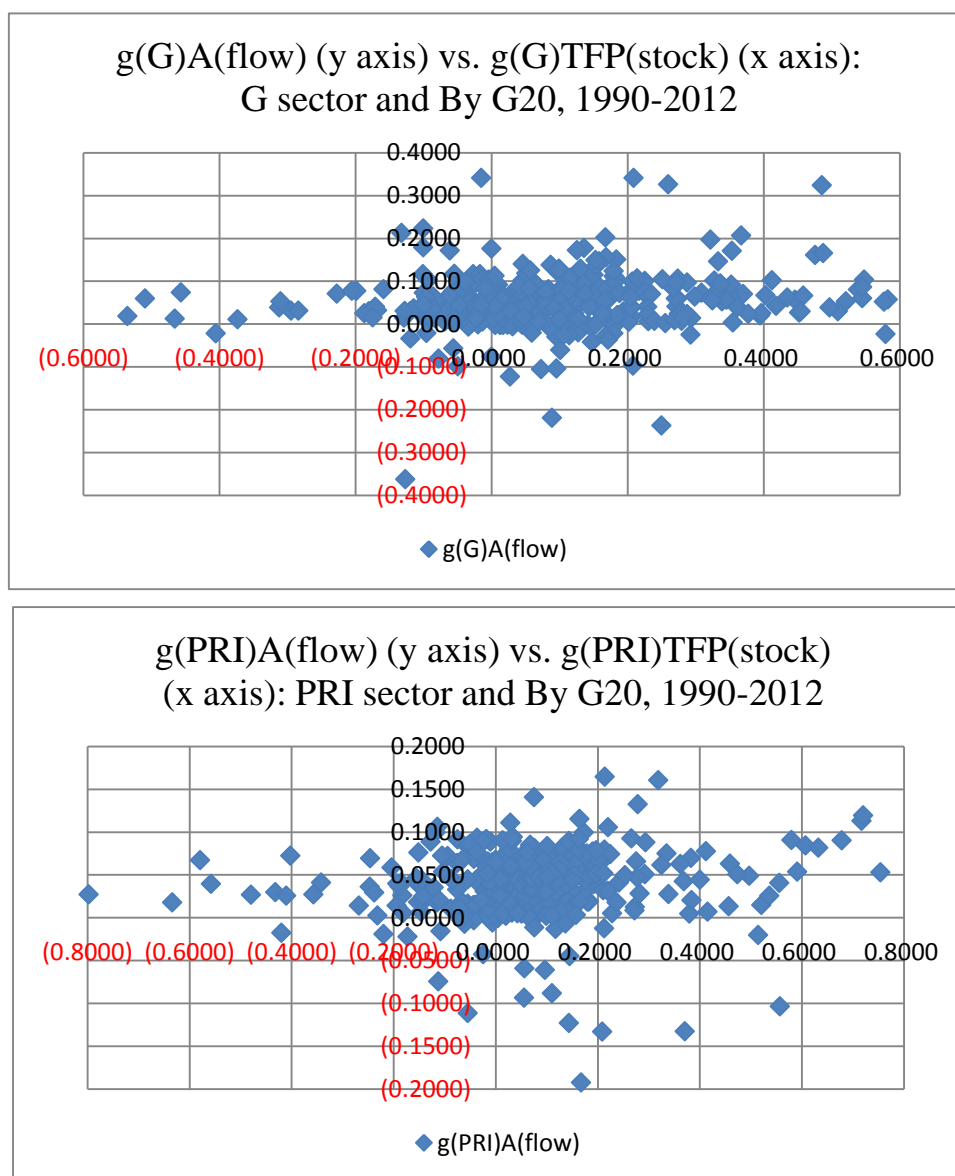


Fig. 59 Cross section, G7: rate of technology (flow) vs. growth rate of TFP (stock), By the PRI sector, 1990-2012

63 GDP-based Figures: G20 & G7 as a whole system

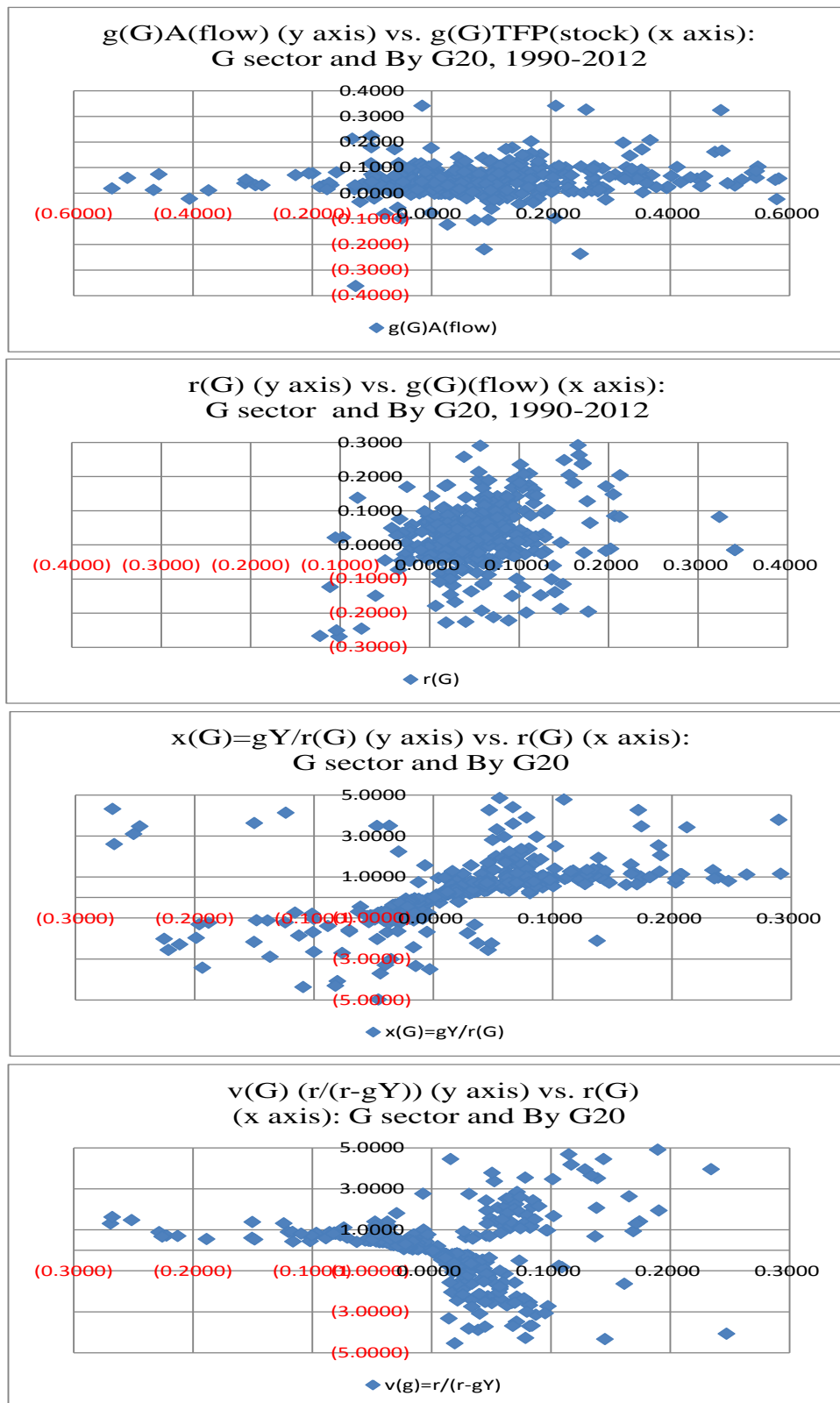


Fig. 60 Cross section, G20: Essential connections and combinations among four items, By the G sector, 1990-2012

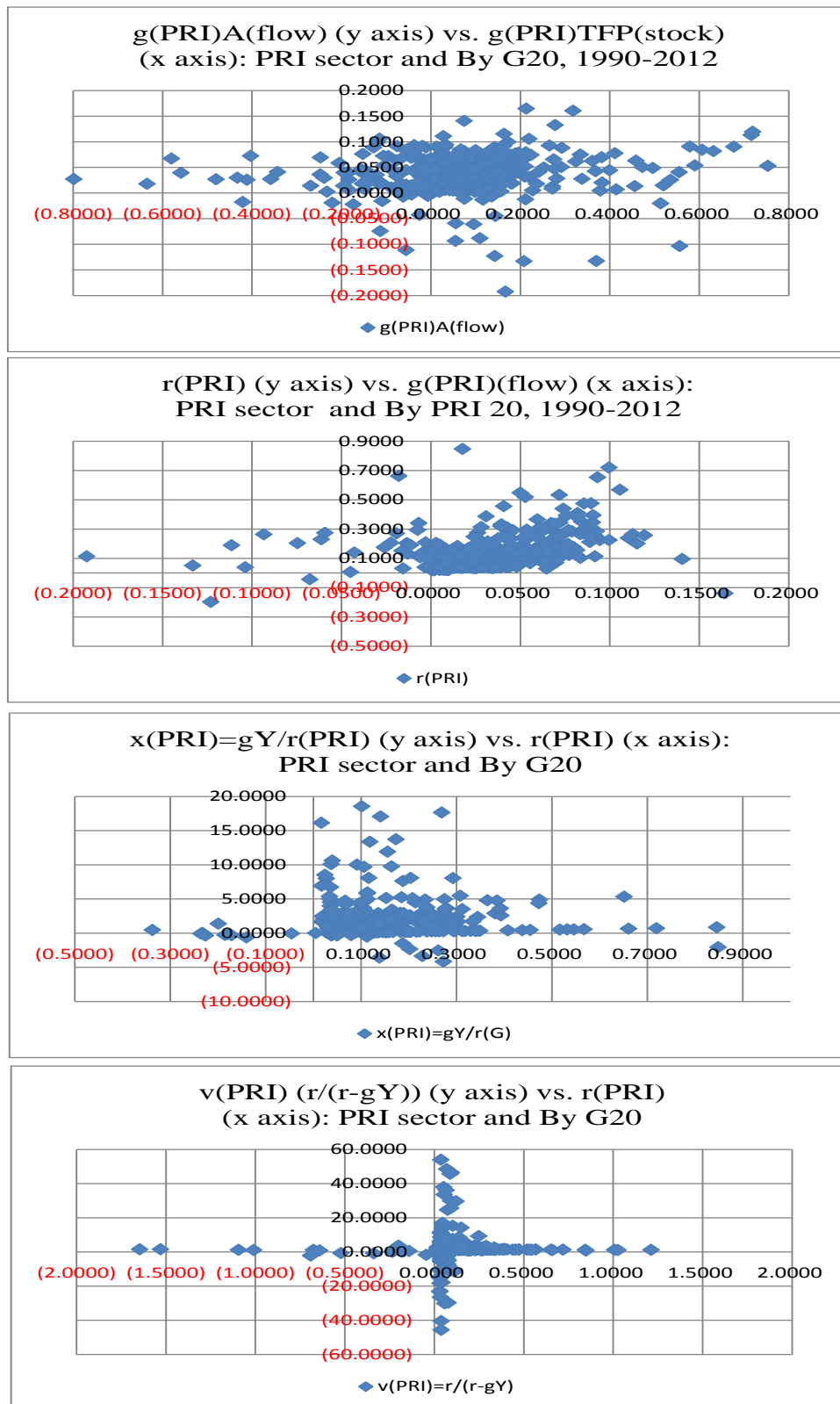


Fig. 61 Cross section, G20: Essential connections and combinations among four items, By the PRI sector, 1990-2012

63 GDP-based Figures: G20 & G7 as a whole system

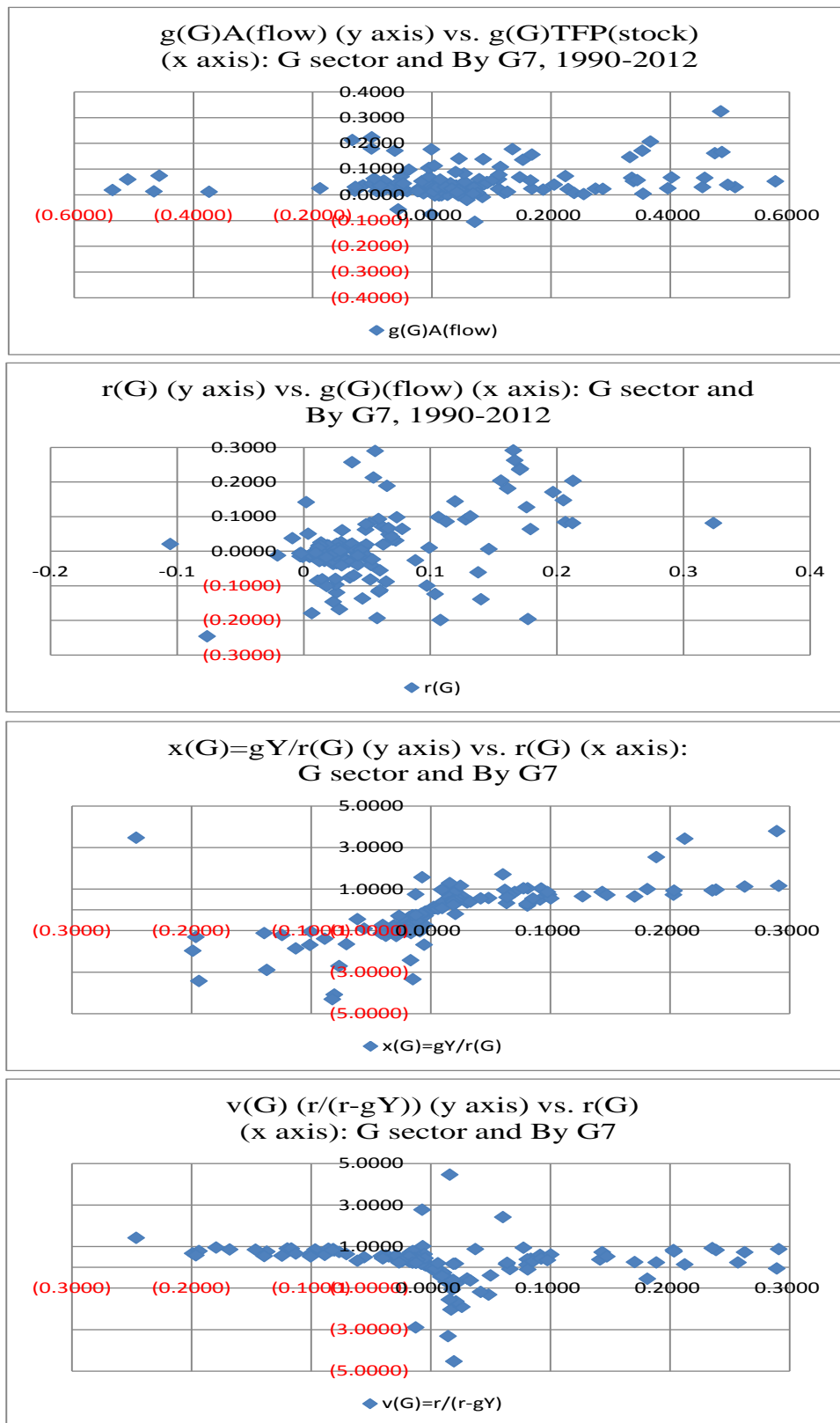


Fig. 62 Cross section, G7: Essential connections and combinations among four items, By the G sector, 1990-2012

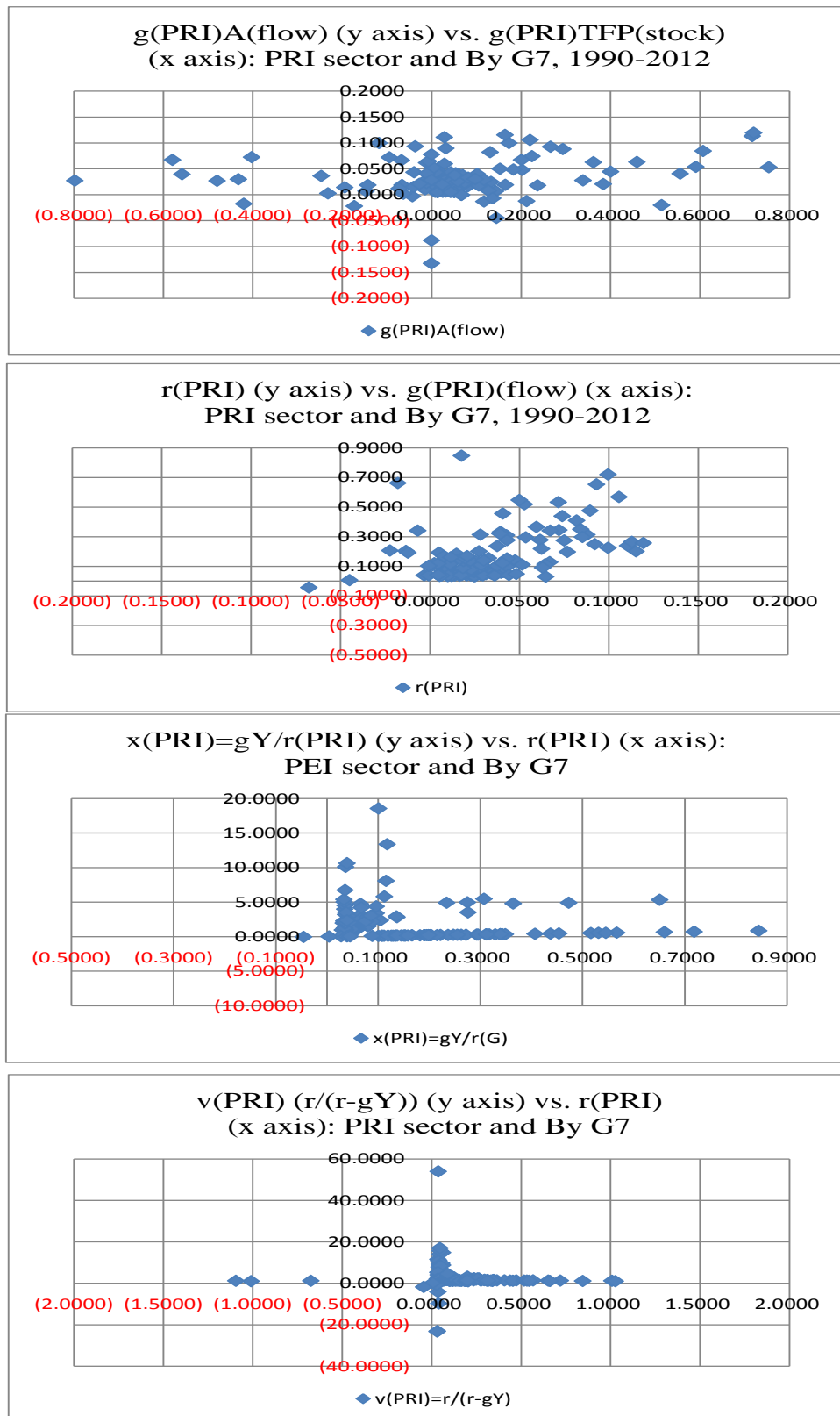


Fig. 63 Cross section, G7: Essential connections and combinations among four items, By the PRI sector, 1990-2012