

"Currency Boards and Productivity Growth"

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*Paper prepared for the workshop on
Capitalización y crecimiento sostenido: experiencias comparadas, análisis y políticas*

FBVVA-Ivie-Fundación Banco Francés-CEPAL-OCDE

*Fundación Banco Francés
11 de Septiembre 1990
C1428AID Buenos Aires (Argentina)*

4 y 5 de diciembre 2006

Table 1

Inflation Rates

(Percentage annual changes in consumer`s prices)

YEAR	1988	1989	1990	1991	1992	1993	1994
Inflation Rates	343.0	3079.5	2314.0	171.7	24.9	10.6	3.9

(Source: INDEC)

Table 2
Capital Inflows

(Millions of US dollars)

Year	1991	1992	1993	1994
Private Sector	2812	14078	12579	9292
Public Sector	972	-1896	3568	2176
Total	3784	12182	16147	11468

(Source: [Carta Económica](#), Estudio M.A.M. Broda)

Table 3
Macroeconomic Performance
(Percentage annual changes)

Year	GDP	Consumption	Investment	Exports	Imports
1990	0.1	- 0.4	- 9.9	18.9	0.6
1991	8.9	12.6	25.1	- 8.3	64.9
1992	8.7	11.4	30.9	- 1.3	66.0
1993	6.0	5.1	13.7	5.0	11.0
1994	6.0	4.0	18.1	12.2	17.0
1991/94	33.0	37.1	120.0	6.6	255.5

(Source: [Carta Económica](#), Estudio M.A.M. Broda)

$$Y = F(K, L) \quad (1)$$

$$S = sY \quad 0 < s < 1 \quad (2)$$

$$S = I \quad (3)$$

$$L_t^s = L_0 e^{nt} \quad (4)$$

$$L_t^s = L_t^d \quad (5)$$

$$k = \frac{K}{L} \quad y = \frac{Y}{L}$$

$$y = f(k) \quad (6)$$

$$\frac{\dot{k}}{k} = \frac{\dot{K}}{K} - \frac{\dot{L}}{L} \quad (7)$$

$$\dot{K} = I = S \quad \frac{\dot{L}}{L} = n$$

$$\frac{\dot{k}}{k} = \frac{S}{K} - n \quad (8)$$

$$\dot{k} = sf(k) - nk \quad (9)$$

steady-state

$$\dot{k} = 0, \quad k = k^*, \quad y = y^*$$

$$r^* = f'(k^*) \quad \text{and}$$

$$w^* = f(k^*) - k^* f'(k^*)$$

$$p = \bar{p}\theta$$

$$w' = \frac{w}{p\theta}$$

$$y = Ak^\alpha$$

(10)

$$\dot{k} = sAk^\alpha - nk \quad (11)$$

$$k^* = \left(\frac{sA}{n} \right)^{\frac{1}{1-\alpha}} \quad (12)$$

$$w' = \frac{w}{p\theta} = (1-\alpha)Ak^\alpha \quad (13)$$

$$\frac{d \ln w'}{d \ln k} = \alpha \quad (14)$$

$$\frac{w}{p\theta} = (1 - \alpha)A(k^*)^\alpha \quad (15)$$

$$\frac{w}{p\theta} = (1 - \alpha)A(k^{**})^\alpha \quad (16)$$

$$d \ln w = \frac{d \ln w}{d \ln k} d \ln k \quad (17)$$

$$d \ln k = \frac{k_0}{k^{**}} d \ln k_0 + \frac{k^*}{k^{**}} d \ln k^* \quad (18)$$

$$\hat{w} - \hat{\theta} - \hat{p} = \alpha \left\{ \frac{k_0}{k^{***}} \hat{k} + \frac{k^*}{k^{**}} \frac{1}{1-\alpha} (\hat{s} + \hat{A} - \hat{n}) \right\}$$

(19)

$$\frac{\hat{w} - \hat{\theta} - \hat{p} - \frac{k^*}{k^{**}} \frac{\alpha}{1-\alpha} \hat{s} - \frac{k^*}{k^{**}} \frac{\alpha}{1-\alpha} \hat{A} + \frac{k^*}{k^{**}} \frac{\alpha}{1-\alpha} \hat{n}}{\frac{k_0}{k^{**}} \hat{k}} = \alpha$$

(20)

Table 4
Total Factor Productivity Evolution

α	$1-\alpha$	\hat{A} annual	\hat{A} (1990/94)
0.60	0.40	0.040	0.177
0.62	0.38	0.040	0.174
0.64	0.36	0.039	0.171
0.66	0.34	0.038	0.168
0.68	0.32	0.038	0.165
0.70	0.30	0.037	0.161