

Spatial Effects in the Analysis of Regional Income Convergence and Inequality

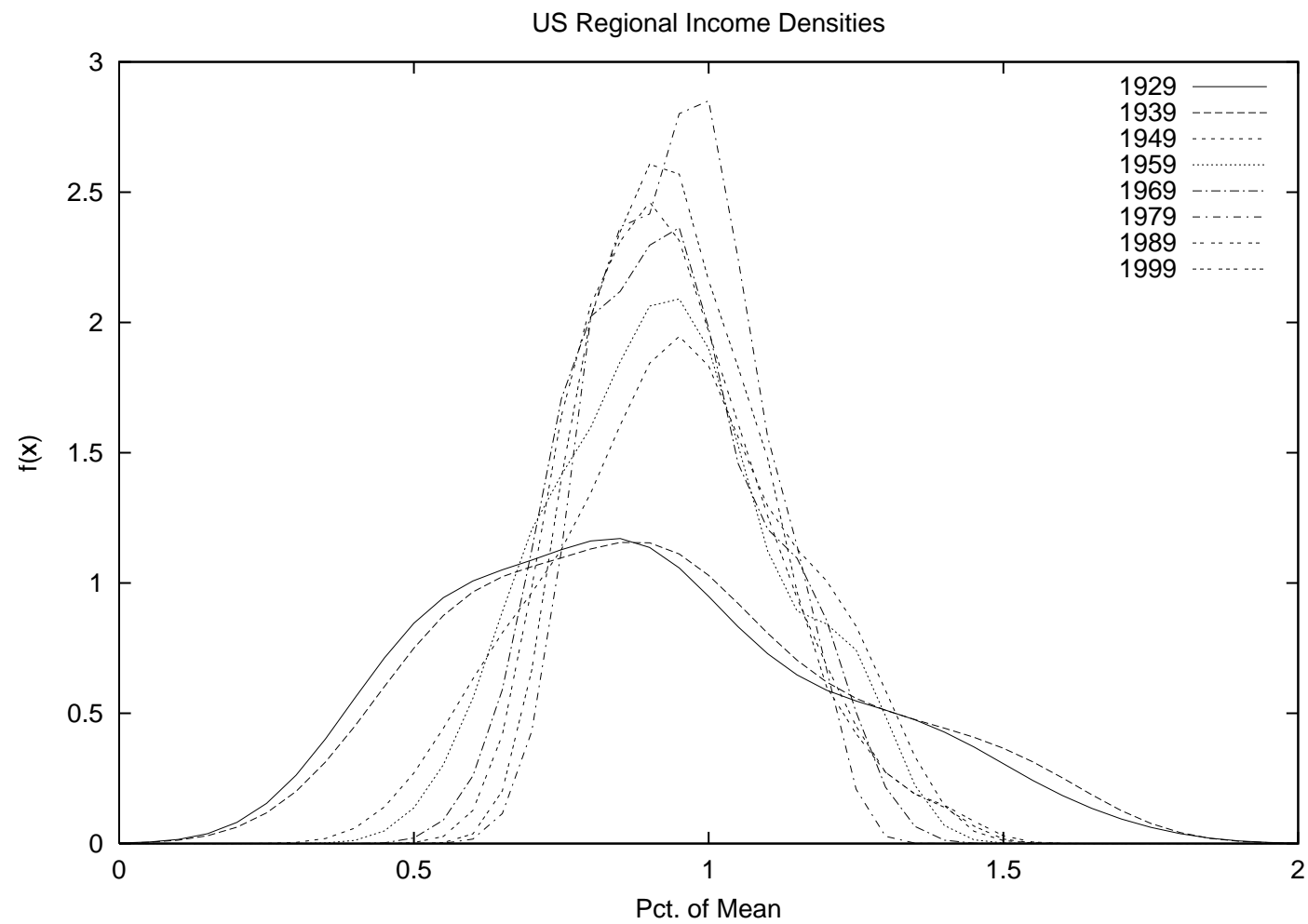
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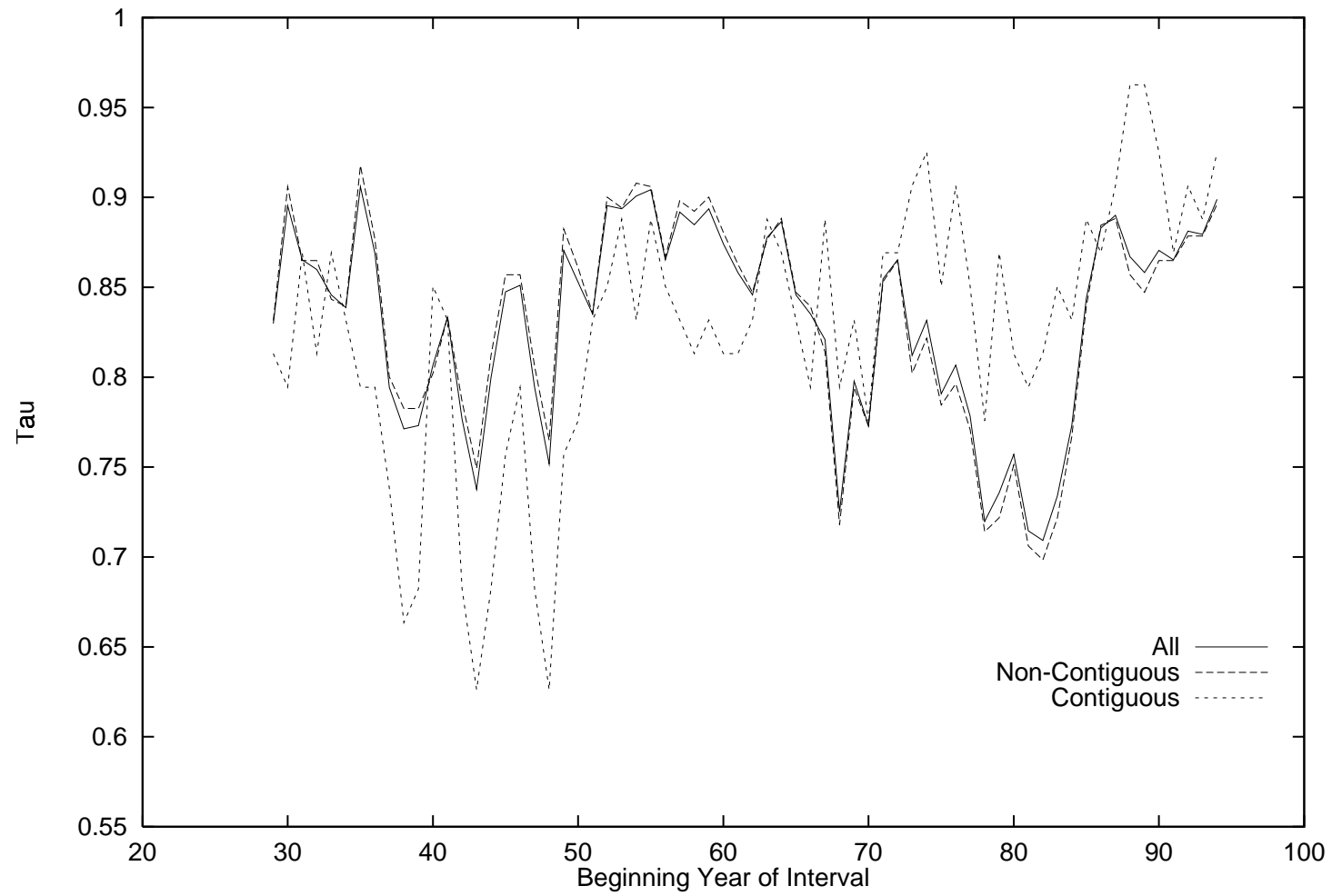
and

Regional Economics Application Laboratory
University of Illinois

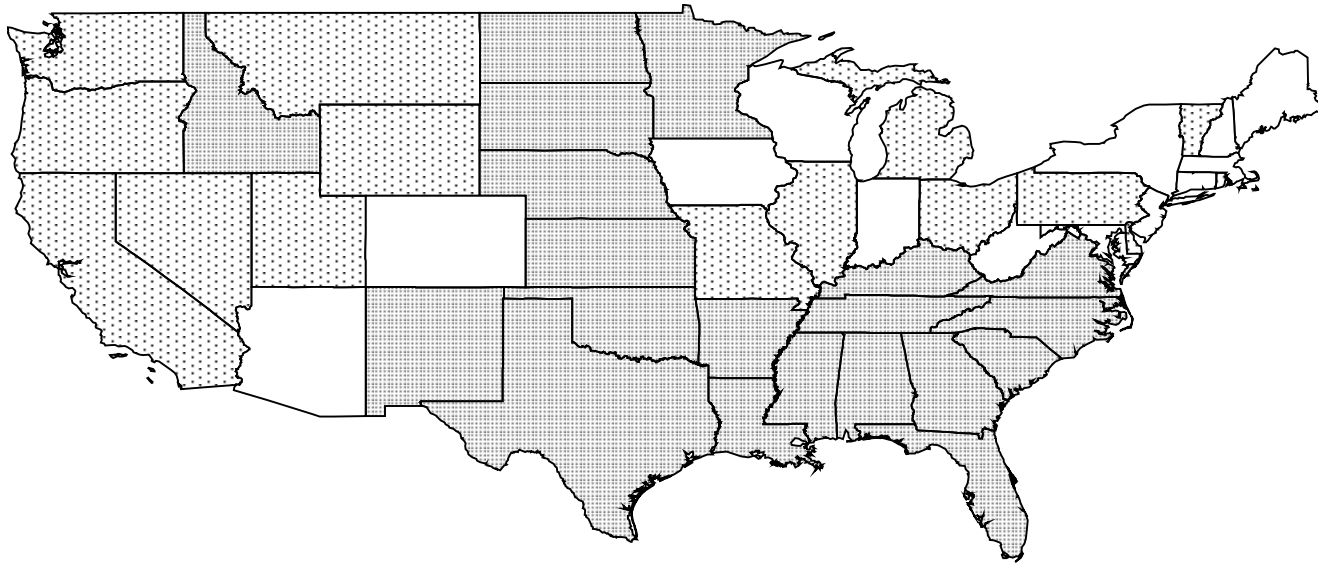
October 10, 2001



Spatial τ



Mobility



Income Mobility 1929-94

- Stationary
- Upwardly Mobile
- Downwardly Mobile

A list environment

A list environment

foo.

A list environment

foo. bar.

A list environment

foo. bar.

baz.

A list environment

foo. bar.

baz. qux.

An aligned equation

An aligned equation

$$\sum_{i=1}^n i \tag{1}$$

(2)

(3)

(4)

An aligned equation

$$\sum_{i=1}^n i = 1 + 2 + \cdots + (n - 1) + n \tag{1}$$

(2)

(3)

(4)

An aligned equation

$$\sum_{i=1}^n i = 1 + 2 + \cdots + (n-1) + n \quad (1)$$

$$= 1 + n + 2 + (n-1) + \cdots \quad (2)$$

$$(3)$$

$$(4)$$

An aligned equation

$$\sum_{i=1}^n i = 1 + 2 + \cdots + (n-1) + n \quad (1)$$

$$= 1 + n + 2 + (n-1) + \cdots \quad (2)$$

$$= (1 + n) + \cdots + (1 + n) \quad (3)$$

$$(4)$$

An aligned equation

$$\sum_{i=1}^n i = 1 + 2 + \cdots + (n-1) + n \quad (1)$$

$$= 1 + n + 2 + (n-1) + \cdots \quad (2)$$

$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \quad (3)$$

$$(4)$$

An aligned equation

$$\sum_{i=1}^n i = 1 + 2 + \cdots + (n-1) + n \quad (1)$$

$$= 1 + n + 2 + (n-1) + \cdots \quad (2)$$

$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \quad (3)$$

$$= \underline{(1+n)} \quad (4)$$

An aligned equation

$$\sum_{i=1}^n i = 1 + 2 + \cdots + (n-1) + n \quad (1)$$

$$= 1 + n + 2 + (n-1) + \cdots \quad (2)$$

$$= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \quad (3)$$

$$= \frac{(1+n) \cdot n}{2} \quad (4)$$

An array

An array

$$\frac{n \quad \log n \quad n \log n \quad n^2 \quad 2^n}{}$$

An array

$$\frac{n \quad \log n \quad n \log n \quad n^2 \quad 2^n}{0}$$

An array

$$\begin{array}{cccccc} n & \log n & n \log n & n^2 & 2^n & \\ \hline 0 & \text{—} & & & & \end{array}$$

An array

$$\begin{array}{cccccc} n & \log n & n \log n & n^2 & 2^n & \\ \hline 0 & \text{—} & \text{—} & & & \end{array}$$

An array

$$\begin{array}{ccccc} n & \log n & n \log n & n^2 & 2^n \\ \hline 0 & \text{—} & \text{—} & 0 & \end{array}$$

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1				

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0			

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0		

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2				

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1			

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2		

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3				

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6			

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8		

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4				

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2			

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8		

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5				

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3			

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6		

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	

An array

n	$\log n$	$n \log n$	n^2	2^n
0	—	—	0	1
1	0	0	1	2
2	1	2	4	4
3	1.6	4.8	9	8
4	2	8	16	16
5	2.3	11.6	25	32

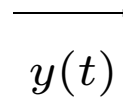
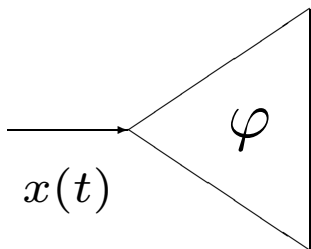
A picture

A picture

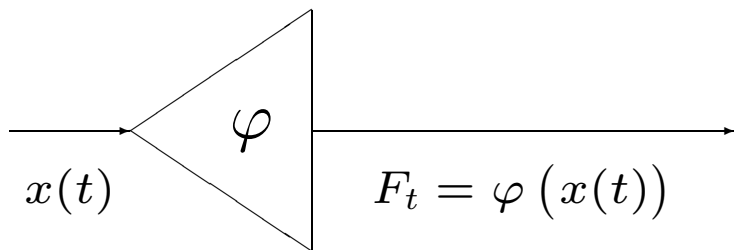
\longrightarrow
 $x(t)$

\longrightarrow
 $y(t)$

A picture

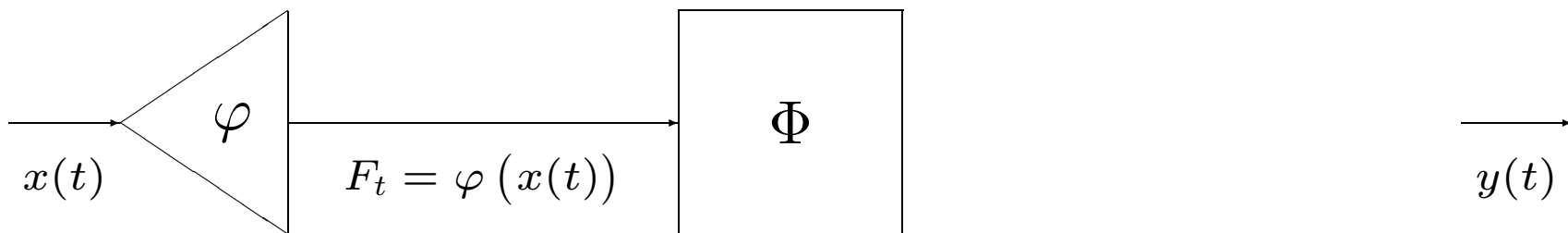


A picture

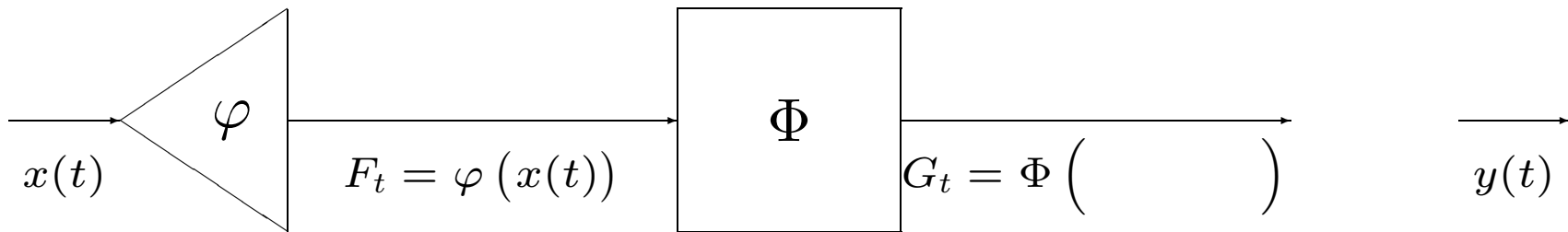


$y(t)$

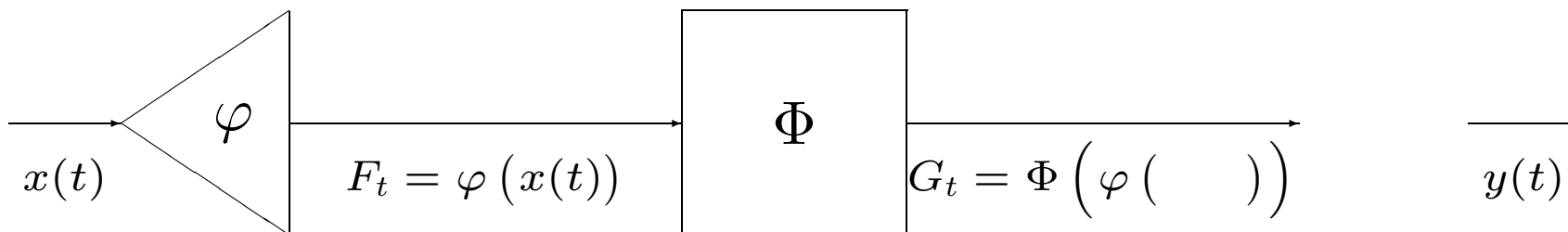
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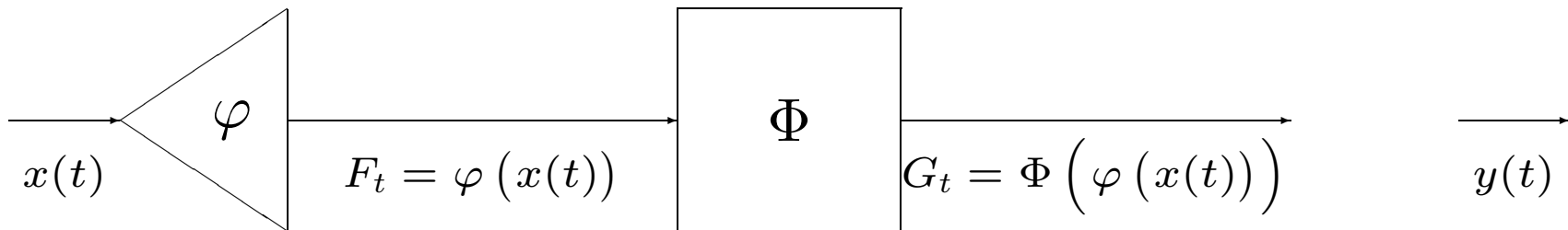
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