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(MPO, 2005).

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(2003) Mahmudi & Banouei

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Datt &

Bourguignon & Morrisson (1998) Ravallion

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(Round & Pyatt, 1979)

(Pyatt, 1988)

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SAM

Khan (2000) Nokkala (2002) Rocchi et al.
Thorbecke & (1996) Pradhan & Sahoo (1999)
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(2004) Salami (1985) Round & Pyatt (1992)
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SAM

Y_n	x	X	n	N
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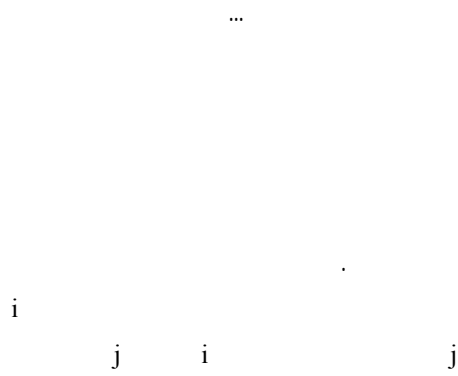
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N N L (x) (n) ()

A_{nn} A_{nn} :

: n A_{nn} ($Y_n = n + x$ (

$n = A_{nn} Y_n$ (



$$Y_n = A_{nn} Y_n + x \Rightarrow Y_n = (I - A_n)^{-1} x \quad (1)$$

$$M_a = (I - A_n)^{-1} \Rightarrow Y_n = M_a x \quad (2)$$

SAM

$$Y_i = \sum_{j=1}^n m_{ij} x_j \quad i, j = 1, 2, \dots, n \quad (3)$$

$$\frac{\partial Y_i}{\partial x_j} = m_{ij} \quad m_{ij} \in M_a \quad (4)$$

M_a m_{ij} ()

(Defourny & Thorbecke, 1984)

$$I_{(i \rightarrow j)}^D = a_{ji} \quad (5)$$

-
- 3. Influence
 - 4. Arc
 - 5. Pole
 - 6. Path
 - 7. Elementary Path
 - 8. Circuit
 - 9. Network
 - 10. Direct Effect
 - 11. Total Effect
 - 12. Global Effect

Defourny (1984) & Thorbecke

-
- 1. Block-Decomposition of Multiplier Matrix
 - 2. Structural Path Analysis

$I_{(i \rightarrow j)}^D$ (Defourny & Thorbecke, 1984)

$$I_{(i \rightarrow j)}^G = m_{ij} = \sum_{p=1}^n I_{(i \rightarrow j)}^T = \sum_{p=1}^n I_{(i \rightarrow j)}^D M_p \quad (1)$$

$m_{ij} \in M_a$

$$I_{(i \rightarrow j)}^G$$

$$I_{(i \rightarrow j)}^T$$

$$(I - A_{nn})^{-1}$$

A_{nn}

Defourny &

(1984) Thorbecke

(1984) Defourny & Thorbecke

$$(I - A_{nn})^{-1}$$

$$I_{(i \rightarrow j)}^T$$

$$(I - A_{nn})^{-1}$$

$$I_{(i \rightarrow j)}^T = I_{(i \rightarrow j)}^D M_p \quad (2)$$

$$I_{(i \rightarrow j)}^T$$

$$I_{(i \rightarrow j)}^T$$

$$I_{(i \rightarrow j)}^T$$

Defourny & Thorbecke

Roland-Holst & Sancho (2004) Santos (1984)

(Defourny & Thorbecke, 1984)

(1995)

$$I_{(i \rightarrow j)}^T$$

n

M_a

$$(I - A_{nn})^{-1}$$

$$(I - A_{nn})^{-1}$$

1. Matrix of Direct Influence
2. Path Multiplier

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(CPC V.1.0)

ISIC, Rev.3)

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منابع: دادههای تحقیق

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() (SCI, 2003)
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(1979) Pyatt & Round

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(2004) Salami

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