turnpike optimality in input pdf

Based on an Energy-Carbon-Emission-Economy Input-Output table compiled from 1992-2007, we modify the technology coefficient and capital formation matrix and value added and final demand by industries in order to make the solution reasonable.

Turnpike Optimality in Environment-Input-Output System

turnpike results (see also [57]). More recently, turnpike phenomena have been also put in evidence in optimal control problems coming from biology, such as in [21], in relation with singular arcs (see also [43]), or in problems related with human locomotion (see [18]), where optimal trajectories in long time have the above asymptotic property.

The turnpike property in nite-dimensional nonlinear

Gurgul (1998) also conducted a comprehensive study using MPS-based Polish IO data for 1970–1989. 6 For every year he determined a balanced growth path and next - from the point of the view of turnpike optimality - he assessed the level of imbalances of the Polish economy over this period. In addition, for every year he detected the "bottlenecks,― that is, the sectors which size exhibited the largest deviation from the corresponding turnpike proportions.

Structural change versus turnpike optimality: A Polish

1. About The Turnpike Theory The turnpike theory belongs to a research field of capital theory and is to investigate the property such that the efficient growth path would be in the vicinity of a balanced growth path (called a "turnpike―) for most of the planning periods.

Turnpike Theory Website

Sub-Optimality of the Friedman Rule in Townsend's Turnpike and Limited Communication Models of money: Do finite lives and initial dates matter?â^— Joydeep Bhattacharya Joseph H. Haslag Antoine Martin†September 2004 Abstract We construct an economy populated with ini¬•nitely-lived agents and show that the Friedman rule is suboptimal.

Sub-Optimality of the Friedman Rule in Townsend's Turnpike

Turnpike optimality in input-output systems: theory and application for planning / Jinkichi Tsukui and Yasusuke Murakami North-Holland Pub. Co.; Sole distributors in the U.S.A. and Canada, Elsevier/North-Holland Amsterdam; New York: New York 1979. Australian/Harvard Citation. Tsukui, Jinkichi. & Murakami, Yasusuke.

Turnpike optimality in input-output systems: theory and

Journal of Applied Input-Output Analysis, Vol.1, No.I, 1992 Wage-Profit Curves in a von Neumann-Leontief Model: Theory and Computation of Japan's Economy 1970-19801

Wage-Profit Curves in a von Neumann-LeontiefModel: Theory

3. Input-Output coefficients, static input-output model, total input coefficients 4. Dynamic input-output models in the form of equalities and inequalities, in optimization form, open and closed dynamic input-output models 5. Stationary trajectories of closed dynamic input-output models in the form of inequalities 6.

Input-Output Models - EOLSS

has a turnpike optimality property if it takes the optimal action most of the time; the concept is used in dynamic programming (Shapiro 1968). To the best of my knowl- edge the use of the turnpike optimality concept in scheduling theory is quite novel (see Coffman, Hofri and Weiss 1989 for an earlier example). ...

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McKenzie, L. W.: Turnpike theorem for a generalized Leontief model. Econometrica 31, 165–180 (1963) Google Scholar Movshovich, S. M.: Turnpike growth in dynamic models of national economy.

Accumulation and compensation turnpikes in a leontief

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