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Optimal Public Investment and Fiscal Policy*

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Despite the important role public investments play in an economy, only a limited amount of theoretical work has been done on the behavior of the public sector as an investing agent. The present paper attempts to fill this gap by formulating a simple dynamic model and then applying the optimal taxation approach to it to investigate the optimal paths of public investment and other fiscal instruments. Assuming labor supply to be inelastic, this paper examines the steady-state value of public capital stock and its social rate of return and the optimal rate of income tax which is used to finance the investment project.

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- 2. The Model
- 3. The Short- run Equilibrium
- 4. The Long-run Equilibrium
- 5. Conclusion

1. Introduction

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最適公共投資與財政政策

張慶輝

摘要

雖然公共投資在經濟中所扮演的角色非常重要,學術界對公共部門投資行為的理論研究依然十分缺乏。本文爲彌補此項缺陷,特別建立一個簡單的動態模式,並應用最適課稅方法,以檢討公共投資與其他財政變數的最適行為。假設勞動的供給彈性等於零,並設公共投資與課稅的目的,在於追求某一代表個人效用之最大化,並符合政府預算式之限制,本文仔細討論公共資本存量的長期均衡水準,其社會報酬率,及融通此公共計劃所需課徵之所得稅的最適均衡值。