

# Lecture Notes in Economics and Mathematical Systems

Managing Editors: M. Beckmann and W. Krelle

210

---

## Technology, Organization and Economic Structure

Essays in Honor of Prof. Isamu Yamada

FB Mathematik  
TU Darmstadt



58365017

---

Edited by Ryuzo Sato and Martin J. Beckmann



---

Fachbereich Mathematik  
Technische Hochschule Darmstadt  
Bibliothek

Inv.-Nr. B 19593

Springer-Verlag  
Berlin Heidelberg New York 1983

---

## CONTENTS

List of Contributors		v
Ryuzo Sato	Preface	VII
Martin J. Beckmann		
PART I: ORGANIZATION: MICRO AND MACRO		1
Martin J. Beckmann	Production Functions in the Analysis of Organizational Structure	2
Yoshio Niho	Revenue Maximization and Optimal	
Robert A. Musacchio	Capital Policies of a Regulated Firm	15
Seiichiro Saitow	The Characteristics of Japanese Enterprises and their Financing	27
Michael Nacht	Public Management: Does it Exist? How do you do it?	41
Keizo Nagatani	Macroeconomic Foundations of Macroeconomics	51
Martin Bronfenbrenner	Notes on Reaganomics	64
PART II: ECONOMIC STRUCTURE		78
Hugo Sonnenschein	Economics of Incentives: An Introductory Account	79
Hanjiro Håga	Economic Equilibrium under Price Rigidities and Quantity Constraints	93
Akio Matsumoto		
Yasu Hosomatsu	A Necessary and Sufficient Condition for a Continuously Rational Social Choice	103
Haruo Ogawa	The Behavior of Resource Exploring Firm Under Stochastic World	115
Gilbert S. Suzawa	Note on the Kakwani and Podder Method of Fitting Lorenz Curves	122
Yoshimasa Kurabayashi	Alternative Matrix Consistent Methods of Multilateral Comparisons for Real Product and Prices	127
Itsuo Sakuma		

---

PART III: TECHNOLOGY		142
Mineo Ikeda	Differentiable Manifolds and Economic Structures	143
Haruo Kataoka	On the Local Conservation Laws in the Von Neumann Model	156
Koji Inada	Economic Growth and Biased Technical Change: The Japanese Experience	164
Thomas Russell	Notes on Exact Aggregation	171
Ryuzo Sato, Takayuki Nōno	Invariance Principle and "G-Neutral" Types of Technical Change	177
A BIBLIOGRAPHY OF THE WORK OF PROFESSOR ISAMU YAMADA.		187