

# CONTENTS

	page
INTRODUCTION	1
1. Introduction for philosophers of science	1
2. On the cause of fruitless methodology (an introduction for economists)	3
2.1. The problem of fruitless methodology	3
2.2. The cause of fruitless methodology	3
2.3. Two preliminary arguments in favour of a Principle of Suspicion	4
3. Aims and set-up of this study	8
3.1. Aim of this study	8
3.2. Set-up of this study	9
A. Two central theses in the theory of international trade and their place in the economists' world view	11
A.1. The neoclassical economists' world view: neoclassical foundations of economic analysis	11
A.2. The effects of international trade through the economists' spectacles: comparative statics	15
A.3. Two central theses in the theory of international trade	16
A.4. Why are the theorems "interesting"	17
A.4.1. Internal explanations	18
A.4.1.1. The classical theory of international trade	18
A.4.1.2. The production function	20
A.4.1.3. The production function, the classical problem, and the Heckscher-Ohlin solution	22
A.4.1.4. Conclusion	26
A.4.2. External explanations	28
B. The emergence of interesting theorems	30
B.1. Introduction	30
B.2. The Stolper-Samuelson Exposition	31

B.2.1.	The S&S-exposition, Part I: The Heckscher-Ohlin explanatory ideal and results already achieved	31
B.2.2.	Neoclassical intermezzo I: mathematical marginalism and the introduction of a second product	31
B.2.3.	The Stolper-Samuelson exposition: Part II	34
B.2.3.1.	The index number problem	34
B.2.3.2.	The production structure once again: the box diagram	34
B.2.3.3.	The production possibility curve	37
B.2.4.	Neoclassical intermezzo II: why all this is "neoclassical"	38
B.2.4.1.	Demand structure: utility-function and indifference curves	38
B.2.4.2.	The neoclassical "General Equilibrium" FEA: a final characterization	39
B.2.5.	Finale: The S&S-exposition of the effects of international trade: the S&S-result	41
B.3.	Questions arising in connection with the S&S-exposition	45
C.	Economic "normal science" centred around interesting theorems	47
C.1.	Introduction	47
C.2.	Some central concepts in informal symbolism	49
C.3.	Examples of research centred around the S&S-theorem	51
C.3.1.	The Metzler-results	51
C.3.2.	Second example: the Koo-results	52
C.3.3.	Third example: The Södersten and Vind result	53
C.4.	Research centred around the factor price equalization theorem	55
C.4.1.	The emergence of the FPE-theorem in $V_{222}$	55
C.4.2.	Problems of the FPE-theorem in $V_{222}$	59
C.4.2.1.	No diversification cone	59
C.4.2.2.	More than one diversification cone	60

C.4.3. Some examples of field extension with respect to the FPE-theorem	61
C.4.4. Further weakening of conditions and alternative conditions results	63
C.4.5. Some further examples of field extension with respect to FPE: $m \neq n$	63
C.5. Summary	64
D. Consolidation: metatheory on theory structure and theory development in the Ohlin-Samuelson research programme	66
E. The hypothesis of the plausibility strategy	71
E.1. The "plausibility strategy": a first approach	71
E.2. Initial explanatory power of the hypothesis	72
E.3. Elementary plausibility	76
E.3.1. The forced hypothesis about the existence of a sixth characteristic of the Ohlin-Samuelson programme: an SEPC	76
E.3.2. A taxonomy of elementary plausibilism	77
E.3.2.1. Conditions plausibilism	78
E.3.2.1.1. Conditions plausibilism I: special conditions	79
E.3.2.1.2. Conditions plausibilism II: EI-conditions	86
E.3.2.1.3. Conditions plausibilism III: FEA-conditions	89
E.3.2.2. Field plausibilism	90
E.3.2.3. Consequence plausibilism	91
E.4. SEPC, the enigma	95
F. Problems of econometrics. The mutual independency thesis	97
F.1. Identification problems	97
F.2. Anchoring problems	98
F.3. How these problems arise from the nature of theory development in the Ohlin-Samuelson programme	98
F.4. The mutual independency thesis	100

G. Conclusion: results and relevance	102
G.1. Summary of the metatheory	102
G.2. Some concluding remarks on the relationship between theory development and plausibilism	104
G.3. Some beliefs about the generality of the metatheory	106
G.3.1. From neoclassical theory of international trade to neoclassical theory structure and development in general	106
G.3.2. Towards theory structure and theory development in economics?	109
G.3.3. Conclusion about generalizability	109
G.4. The merits and problems of other metatheories if applied to neoclassical general equilibrium research programmes	110
G.4.1. The construction of a Meta-Philosophical Language	111
G.4.2. Neoclassical theory structure and theory development restated in MPL	113
G.4.3. The "Friedman controversy consensus" in MPL	114
G.4.4. Carnapian inductive logic in MPL	117
G.4.5. Popperian falsificationism in MPL	118
G.4.6. Lakatosian "Methodology of Scientific Research Programmes" in MPL	119
G.4.7. Kuhnian revolutionary and normal science	123
G.4.8. Sneed's approach to theories of mathematical physics	128
G.4.9. Summary	131
G.5. Vice, Virtue and Rationality	134
H. Appendix: a scheme for formalization of the link between theory development and plausibilism	138
I. Appendix: the irrefutability of the Samuelson-type meaning- full theorems	146
J. Appendix: The Friedman controversy and its consensus	152

K. Appendix: Ricardian versus neoclassical FEA	161
L. References	164
M. Index	170