

TABLE OF CONTENTS

Introduction	ix
--------------------	----

I. IN DEFENCE OF SCIENTIFIC RATIONALITY

JOHN WATKINS, The Propositional Content of the Popper–Lakatos Rift	3
DONALD GILLIES, Lakatos’ Criticisms of Popper	13
MATTEO MOTTERLINI, Professor Lakatos Between the Hegelian Devil and the Popperian Deep Blue Sea	23
MARTIN CARRIER, Explaining Scientific Progress: Lakatos’ Methodological Account of Kuhnian Patterns of Theory Change	53
GÁBOR FORRAI, Lakatos, Reason and History	73
JOHN WORRALL, “Heuristic Power” and the “Logic of Scientific Discovery”: Why the Methodology of Scientific Research Programmes is Less Than Half the Story	85
PÉTER SZEGEDI, Lakatos on Crucial Experiments and the History of Interpretations of Quantum Mechanics	101

II. UNDERWAY TO A PHILOSOPHY OF CONTEMPORARY MATHEMATICS

DAVID CORFIELD, Argumentation and the Mathematical Process	115
THOMAS MORMANN, Towards an Evolutionary Account of Conceptual Change in Mathematics: <i>Proofs and Refutations</i> and the Axiomatic Variation of Concepts	139
MICHAEL STÖLTZNER, What Lakatos Could Teach the Mathematical Physicist	157

TEUN KOETSIER, Lakatos' Mitigated Scepticism in the Philosophy of Mathematics	189
LADISLAV KVASZ, Lakatos' Methodology Between Logic and Dialectic	211
OLGA KISS, Mathematical Heuristic – Lakatos and Pólya	243
HANS-CHRISTIAN REICHEL, Lakatos and Aspects of Mathematics Education	255

III. LIFE AND POLITICS

JANCIS LONG, The Unforgiven: Imre Lakatos' Life in Hungary	263
LÁSZLÓ ROPOLYI, Lakatos and Lukács	303
LEE CONGDON, Lakatos' Political Reawakening	339

IV. IMRE LAKATOS' HUNGARIAN DISSERTATION

A Documentation Arranged by Gábor Kutrovátz	353
Lakatos' Hungarian Papers Between 1946–1956	375
Index of Names	377

Appraising Lakatos

Mathematics, Methodology, and the Man

Kampis, G.; Kvasz, L.; Stoeltzner, M. (Eds.)

2002, XIV, 382 p., Hardcover

ISBN: 978-1-4020-0226-7