

# THE DEVELOPMENT OF MENTAL PROCESSING: EFFICIENCY, WORKING MEMORY, AND THINKING

## CONTENTS

ABSTRACT	vii
I. INTRODUCTION	1
II. THE STUDY METHODS	39
III. RESULTS: THE ARCHITECTURE OF THE MIND	59
IV. RESULTS: THE DEVELOPMENT OF COGNITIVE FUNCTIONS	72
V. RESULTS: SPECIFYING PATTERNS OF CHANGE BY GROWTH MODELING	88
VI. RESULTS: SPECIFYING PATTERNS OF CHANGE BY LOGISTIC EQUATIONS	99
VII. TOWARD AN OVERARCHING THEORY	122
APPENDIXES	134
REFERENCES	147
ACKNOWLEDGMENTS	155

## COMMENTARY

A NEW KIND OF DEVELOPMENTAL SCIENCE: USING MODELS TO INTEGRATE THEORY AND RESEARCH <i>Kurt W. Fischer and Theo L. Dawson</i>	156
CONTRIBUTORS	168
STATEMENT OF EDITORIAL POLICY	170