

Research Methodology Based on General
Yin-Yang Philosophy

Ziyang Wang

Table of Contents

Chapter 1 Introduction.....	1
Chapter 2 About Classical Yin-Yang Philosophy	1
Yin-Yang Pair	1
The Limitless	1
Being and Non-being.....	1
Chapter 3 Properties of Generalized Yin-Yang Philosophy.....	1
Multiplication of Possibilities	1
Self-Consistency	2
Relativity and Absoluteness	2
Equality	3
Universality.....	3
Discreteness and Continuity	3
Motion and Periodicity	4
Conductivity	4
Materiality.....	4
A Data Structure Based on Binary Trees.....	4
Extensibility.....	4
Chapter 4 Applications	4
Yinization and Yangization.....	4
First-Order Prediction	4
Second-Order Prediction	4
Third-Order Prediction.....	4
Cause and Effect	4
Patriotism and Betrayal of the Nation.....	5
The Relationship Between the Human Brain and Computers	5
Wu (Martiality)	6
Ren (Benevolence).....	7
Arrogance and Inferiority-Based Conceit.....	7
Covert Strategy and Overt Strategy	8
Quantity and Quality	8
Creation and Destruction	9
Attack and Defense	9
War and Peace	9
Part and Whole.....	10

Macro and Micro	10
Electronics and Electric Power	11
Storage and Transmission	11
On Nations	12
On Research and Work	18
On Psychology	19
Classification of Human Intelligence	19
The Relationship Among Humans, AI, and God	19
Eternal Life: Toward the Path to Immortality	19
Aptitude Assessment for Research and Work	19
Chapter 5 Relationship with Other Theories.....	19
Dominance and Coexistence	19
Relationship with Occam’ s Razor	19
Relationship with Dualistic Monism	19
Comparison with Laozi’ s Tao Te Ching	19
Relationship with the Doctrine of the Mean	20
Relationship with the I Ching	20
Relationship with Bruce Lee’ s Martial Way	20
Chapter 6 Conclusion	21
The Role of the Yin-Yang Pair of Being and Non-Being	21
Strengths and Weaknesses of Generalized Yin-Yang Philosophy	21
Chapter 7 Postscript	21