Would-Be Worlds

How Simulation Is Changing the Frontiers of Science

John L. Casti
CONTENTS

Chapter 4  Artificial Worlds  131

A Louisiana Saturday Afternoon  •  Microworlds, Macrobehaviors
• How Life Learns to Live  •  Tierra  •  Societies in Silicon  •
Judgment Calls  •  Building Silicon Worlds

Chapter 5  Reality of the Virtual  183

Inside Information  •  The Moral of the Model  •  Limits to
Scientific Knowledge  •  Computation Über Alles  •  Toward a
Theory of the Complex

References 217

Index  233