## CONTENTS

| Preface      |                                                                                        | xi   |
|--------------|----------------------------------------------------------------------------------------|------|
| Acknowledgme | NTS                                                                                    | xxxi |
| Chapter 1    | Dynamic Fiction and the Field of Action:<br>Mimesis, Metaphor, Model, and Metachaotics | 1    |
| Chapter 2    | Orderly Systems: Growth, Competition, and Transgression                                | 27   |
| Chapter 3    | Entropic Crisis, Blockage,<br>Bifurcation, and Flow                                    | 45   |
| Chapter 4    | Turbulence, Stochastic Processes, and Traffic                                          | 61   |
| Chapter 5    | Energy, Noise, and Information                                                         | 79   |
| Chapter 6    | Juxtapositional Symmetry:<br>Recursion, Scaling, and Fractals                          | 97   |
| Chapter 7    | Iteration                                                                              | 123  |
| Chapter 8    | Strange Attractors                                                                     | 147  |
| Chapter 9    | Synoptic Study: "The Coded Dots of Life"                                               | 163  |

| viii         | BEAUTIFUL CHAOS | _   |
|--------------|-----------------|-----|
|              |                 |     |
| Notes        |                 | 187 |
| Bibliography |                 | 193 |
| Index        |                 | 201 |