

CONTENTS

| | |
|--|-----|
| Scaling Function Dynamics | 1 |
| M.J. Feigenbaum, notes prepared by Z. Kovács | |
| Renormalization, Zygmund Smoothness and the Epstein Class | 25 |
| D. Sullivan | |
| Torus Maps | 35 |
| R.S. MacKay, assisted by A. Oliveira | |
| Quasiperiodicity, Mode-Locking, and Universal Scaling in Rayleigh-Bénard Convection | 77 |
| R.E. Ecke | |
| Patterns in Chaos | 109 |
| B.V. Chirikov, assisted by S.E. Rugh | |
| Spatio-Temporal Chaos | 135 |
| J.-P. Eckmann and I. Procaccia | |
| Topics in Pattern Formation Problems and Related Questions | 173 |
| Y. Pomeau | |
| Growth Patterns: From Stable Curved Fronts to Fractal Structures | 203 |
| Y. Couder | |
| Simple and Complex Patterns in Coupled Map Lattices | 229 |
| L. Bunimovich | |
| Coupled Map Lattice | 237 |
| K. Kaneko | |
| Global Implications of the Implicit Function Theorem | 249 |
| K.A. Alligood and J.A. Yorke | |

| | |
|---|-----|
| Unfolding Complexity and Modelling Asymptotic Scaling Behaviour | 259 |
| R. Badii, M. Finardi and G. Broggi | |
| Contributors | 277 |
| Index | 279 |

