

## Table of Contents

Preface .....	ix
Overview: Dynamics of Simple Maps	
ROBERT L. DEVANEY .....	1
Nonlinear Oscillations and the Smale Horseshoe Map	
PHILIP J. HOLMES .....	25
Fractal Basin Boundaries and Chaotic Attractors	
KATHLEEN T. ALLIGOOD AND JAMES A. YORKE .....	41
Julia Sets	
LINDA KEEN .....	57
The Mandelbrot Set	
BODIL BRANNER .....	75
Introduction to Fractals	
JENNY HARRISON .....	107
Iterated Function Systems	
MICHAEL F. BARNESLEY .....	127
Index .....	145