

# Table of Contents

<b>Preface</b>	<b>vii</b>
<b>Biography of Frank J. Hahn</b>	<b>xiii</b>
<b>UNIVERSAL AND QUASI-UNIVERSAL FLOWS</b>	<b>1</b>
R. D. Anderson Louisiana State University	
<b>ANOSOV DIFFEOMORPHISMS</b>	<b>17</b>
A. Avez Faculté des Sciences, Paris, and University of Minnesota	
<b>SOME REMARKS ON P-LIMIT POINT STABILITY</b>	<b>52</b>
J. D. Baum Oberlin College and Birkbeck College, University of London	
<b>ENTROPY OF TORUS AUTOMORPHISMS</b>	<b>67</b>
Kenneth R. Berg University of Maryland	
<b>SEMIDYNAMICAL FLOW NEAR A COMPACT INVARIANT SET</b>	<b>81</b>
Nam P. Bhatia Case-Western Reserve University	
<b>LOCALLY WEAKLY ALMOST PERIODIC TRANSFORMATION GROUPS AND FIBER BUNDLES</b>	<b>97</b>
Hsin Chu University of Maryland	
<b>ON CASUAL DYNAMICS WITHOUT METRIZATION</b>	<b>107</b>
Michael Cole Academic Industrial Epistemology, London	

<b>TWIST MAPPINGS, LINKING, ANALYTICITY, AND PERIODIC SOLUTIONS WHICH PASS CLOSE TO AN UNSTABLE PERIODIC SOLUTION</b>	129
C. Conley University of Wisconsin	
<b>ON <math>\psi</math>-STABILITY AND DIFFERENTIAL INEQUALITIES</b>	155
U. D'Ambrosio and V. Lakshmikantham University of Rhode Island	
<b>THE BEGINNINGS OF AN ALGEBRAIC THEORY OF MINIMAL SETS</b>	165
Robert Ellis University of Minnesota	
<b>P-RECURRENCE AND QUASIMINIMAL SETS</b>	185
J. W. England and J. F. Kent, III University of Virginia	
<b>BOUNDS FOR THE PERIODS OF PERIODIC ORBITS</b>	205
F. Brock Fuller California Institute of Technology	
<b>DYNAMICAL ASPECTS OF ORBIT-CLOSURES</b>	217
Walter Gottschalk Wesleyan University	
<b>TRANSVERSALS TO A FLOW</b>	225
L. W. Green University of Minnesota	
<b>CATEGORIAL CONCEPTS IN DYNAMICAL SYSTEM THEORY</b>	243
Otomar Hájek Caroline University, Prague, and Case-Western Reserve University	
<b>TRANSFORMATIONS COMMUTING WITH THE SHIFT</b>	259
G. A. Hedlund Yale University	
<b>TWO COMMUTING CONTINUOUS FUNCTIONS FROM THE CLOSED UNIT INTERVAL ONTO THE CLOSED UNIT INTERVAL WITHOUT A COMMON FIXED POINT</b>	291
John Philip Huneke Wesleyan University and University of Minnesota	

<b>FUNCTIONS BEHAVING LIKE ALMOST AUTOMORPHIC FUNCTIONS</b>	299
A. W. Knapp Cornell University	
<b>EMBEDDING A HOMEOMORPHISM IN A FLOW SUBJECT TO DIFFERENTIABILITY CONDITIONS</b>	319
Ping-Fun Lam Wesleyan University	
<b>VIRTUAL GROUPS</b>	335
George W. Mackey Harvard University	
<b>HOMEOMORPHISMS OF THE CIRCLE WITHOUT PERIODIC POINTS</b>	365
Nelson G. Markley University of Maryland	
<b>GENERALIZED HAMILTONIAN MECHANICS (SUMMARY)</b>	375
J. E. Marsden Princeton University	
<b>ZERO ENTROPY OF DISTAL AND RELATED TRANSFORMATIONS</b>	383
William Parry University of Sussex	
<b>CONCERNING TWO METHODS OF DEFINING THE CENTER OF A DYNAMICAL SYSTEM</b>	391
Coke S. Reed Auburn University	
<b>A CLASS OF NONHOMOGENEOUS MINIMAL ORBIT-CLOSURES</b>	401
F. Rhodes Wesleyan University and University of Southampton	
<b>POISSON STABLE ORBITS IN THE INTERIOR OF THE SOLID TORUS</b>	413
A. J. Schwartz University of Michigan	
<b>A CONCEPT OF STABILITY IN DYNAMICAL SYSTEMS</b>	423
P. Seibert Instituto Politecnico Nacional, Mexico City	

<b>INVARIANT MEASURES AND POISSON STABILITY</b>	<b>435</b>
George R. Sell University of Minnesota and University of Southern California	
<b>TOPOLOGICAL PROPERTIES OF WEAK ATTRACTORS</b>	<b>455</b>
G. P. Szego Universita di Milano, Italy	
<b>TOTALLY PARALLELIZABLE 3-MANIFOLDS</b>	<b>471</b>
David Tischler The City University of New York	
<b>LOCAL ISOMORPHISMS AND LOCAL PARALLELIZABILITY OF DYNAMICAL SYSTEMS</b>	<b>493</b>
Taro Ura Kobe University and Case-Western Reserve University	
<b>NOTES ON COSET TRANSFORMATION GROUPS</b>	<b>507</b>
Ta-Sun Wu Case-Western Reserve University	
<b>PROBLEMS</b>	<b>513</b>
<b>SYMPOSIUM PARTICIPANTS</b>	<b>521</b>