## **CONTENTS**

Seminar on Fixed Point Theory and Its Applications Preface	xii
FIXED POINT THEOREMS FOR MULTIVALUED MAPPINGS WITH COMPACT ATTRACTORS  Felix E. Browder	1
CONTINUATION OF SOLUTIONS OF EQUATIONS UNDER HOMOTOPIES OF SINGLE-VALUED AND MULTIVALUED MAPPINGS  Felix E. Browder	13
ON A THEOREM OF CARISTI AND KIRK Felix E. Browder	23
AN APPLICATION OF FIXED POINT THEORY ON A CERTAIN BIOMATHEMATICAL MODEL IN NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS	29
Kuang-Ho Chen  REMETRIZATION AND FAMILY OF COMMUTING  CONTRACTIVE TYPE MAPPINGS  Kim-Peu Chew and Kok-Keong Tan	41
INVARIANT RENORMING M.M. Day	51

## CONTENTS

REMARKS AND QUESTIONS CONCERNING NONEXPANSIVE MAPPINGS Michael Edelstein	63
FIXED POINT METHODS FOR NODAL PROBLEMS IN DIFFERENTIAL EQUATIONS G.B. Gustafson	69
FIXED POINTS FOR LOCAL RADIAL CONTRACTIONS  R.D. Holmes	79
SOME FIXED POINT RESULTS FOR NONEXPANSIVE MAPPINGS L.A. Karlovitz	91
SOME FIXED POINT THEOREMS FOR SEMIGROUPS OF SELFMAPPINGS Mo Tak Kiang	105
CARISTI'S FIXED POINT THEOREM AND THE THEORY OF NORMAL SOLVABILITY  W.A. Kirk	109
SOME FIXED POINT THEOREMS AND THEIR APPLICATIONS TO W*-ALGEBRAS  Anthony To-Ming Lau	121
COMPUTING THE BROUWER FIXED POINT THEOREM BY FOLLOWING THE CONTINUATION CURVE Tien-Yien Li	131
SOME APPLICATIONS OF THE FIXED POINT INDEX IN ASYMPTOTIC FIXED POINT THEORY  Heinz-Otto Peitgen	137
ON THE RELATIONSHIP OF A-PROPERNESS TO MAPPINGS OF MONOTONE TYPE WITH APPLICATIONS TO ELLIPTIC EQUATIONS W.V. Petryshyn	149

## CONTENTS

SOME RESULTS IN FIXED POINT THEORY OF	
NONEXPANSIVE MAPPINGS AND GENERALIZED	
CONTRACTIONS	175
J. Reinermann and R. Schöneberg	
SOME RESULTS IN FIXED POINT THEORY FOR	
NONEXPANSIVE AND PSEUDOCONTRACTIVE	
MAPS IN HILBERT-SPACE	187
J. Reinermann and R. Schöneberg	
MAPS OF CONTRACTIVE TYPE	197
Chi Song Wong	
REPORT ON PROBLEMS SESSION	209
Index	215