

EGZEMPLARZ OBOWIAZKOWY
BIBLIOTEKA



ANNALES

UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA

SECTIO A
MATHEMATICA



VOL. LI.2

LUBLIN

1997

UNIwersytet Marii Curie-Skłodowskiej
ISSN 0365-1029

Proceedings of Workshop on Fixed Point Theory

Kazimierz Dolny, Poland, 23-28 June 1997

Organizing Committee:

Kazimierz Goebel - Chairman of the Committee
Stanisław Prus, Tadeusz Sękowski, Adam Stachura

Krzysztof Bolibok, Wiesława Kaczor - Secretaries

The Workshop on Fixed Point Theory 1997, organized by the Institute of Mathematics of Maria Curie-Skłodowska University, Lublin, was held in Kazimierz Dolny, Poland, 23-28 June 1997. The purpose of the workshop was to maintain the tradition of meetings on fixed point theory, previously held in Marseilles (1989), Halifax (1991) and Seville (1995), and to bring together specialists and young researchers interested in various aspects of metric and topological fixed point theory.

There were three mini-courses and several one-hour plenary lectures delivered by invited guest speakers, as well as twenty-minute communications, informal talks, discussions and a problem session. There were altogether fifty four papers and one informal presentation delivered.

The financial support of KBN (Committee of Scientific Research) and the Institute of Mathematics of Maria Curie-Skłodowska University made the meeting possible and enabled mathematicians from different countries to participate (83 participants from 15 countries attended the meeting). The workshop was also sponsored by two banks: PKO BP and BRE.

The success of the meeting was first of all due to the interesting talks delivered by top mathematicians and to a large extent to the excellent conference facilities offered at Kazimierz Dolny.

This volume contains the addresses delivered at the workshop and some papers whose authors had planned to give a talk but couldn't attend the Workshop for various reasons.



List of participants

1. Sachiko Atsushiba, Japan
2. Arkady Babadjanian, Ukraine
3. Ralf Bader, Germany
4. Józef Banaś, Poland
5. Roman Bednarek, Poland
6. Dariusz Bielawski, Poland
7. Krzysztof Bolibok, Poland
8. Anna Borek, Poland
9. Ronald Bruck, USA
10. Monika Budzyńska, Poland
11. Emanuele Casini, Italy
12. Bernard Cornet, France
13. Krzysztof Czarnowski, Poland
14. Tomás Domínguez Benavides, Spain
15. Patrick Dowling, USA
16. Zdzisław Dzedzej, Poland
17. Rafael Espínola García, Spain
18. Monique Florenzano, France
19. Paweł Foralewski, Poland
20. Salvador Francisco Cutillas, Spain
21. Grzegorz Gabor, Poland
22. Jesús García Falset, Spain
23. Kazimierz Goebel, Poland
24. Rafał Goebel, USA
25. Valentin V. Gorokhovik, Byelorussia
26. Artur Górka, Poland
27. Jarosław Górnicki, Poland
28. Stanisław Gózdź, Poland
29. Henryk Hudzik, Poland
30. Adam Idzik, Poland
31. Jacek R. Jachymski, Poland
32. María Ángeles Japón, Spain
33. Jong-Soo Jung, Korea
34. Wiesława Kaczor, Poland
35. Jarosław Kapeluszný, Poland
36. Tae-Hwa Kim, Korea
37. William A. Kirk, USA
38. Małgorzata Koter-Mórgowska, Poland
39. Wojciech Kowalewski, Poland
40. Jerzy Kozicki, Poland
41. Andrzej Kryczka, Poland
42. Wojciech Kryszewski, Poland
43. Tadeusz Kuczumow, Poland
44. Byung-Soo Lee, Korea
45. Suk-Jin Lee, Korea
46. Laura Levi, Italy
47. Lai-Jiu Lin, Taiwan
48. Juan-Vicente Llinares, France
49. Genaro López Acedo, Spain

50. Josefa Lorenzo, Spain
51. Elisabetta Maluta, Italy
52. Giuseppe Marino, Italy
53. Silvio Massa, Italy
54. Janusz Matkowski, Poland
55. Claudio H. Morales, USA
56. Józef Myjak, Italy
57. Piotr Oleszczuk, Poland
58. Paula Oliveira Collaço, Portugal
59. Pier Luigi Papini, Italy
60. Stanislaw Prus, Poland
61. Simeon Reich, Israel
62. Billy Rhoades, USA
63. Ramón Rodríguez Alvarez, Spain
64. Linda Saliga, USA
65. Tadeusz Sękowski, Poland
66. Naoki Shioji, Japan
67. David Shoikhet, Israel
68. Brailey Sims, Australia
69. Adam Stachura, Poland
70. Mariusz Szczepanik, Poland
71. Wataru Takahashi, Japan
72. Hiroko Tamura, Japan
73. Takayuki Tamura, Japan
74. Dariusz Walachowski, Poland
75. Andrzej Wiśnicki, Poland
76. Jacek Wośko, Poland
77. Joanna Wrona, Poland
78. Hong Kun Xu, South Africa
79. David Yost, France
80. Petr P. Zabreiko, Byelorussia
81. Jaroslaw Zemanek, Poland
82. Mirosława Zima, Poland
83. Wojciech Zygmunt, Poland

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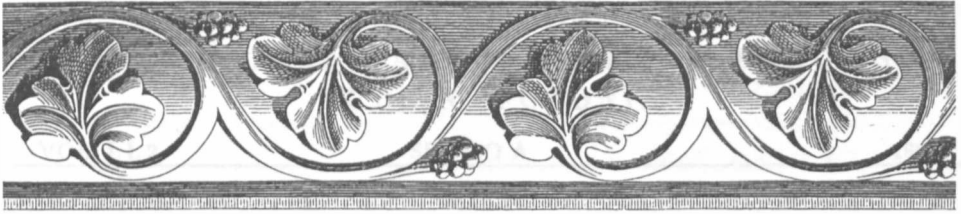
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of the Outbreak

1. KAZUHIKO AOKI, YASUHIRO TAKAHASHI

Approximating Geometric Field Paths of Nonexpansive Flows
on the Mann Iteration Process

2. JINFA WU, YUELIAN S. JIA

A Model for the Van Der Pol Equation

3. SAITOH TADAO

Fixed Point Theorems for Contractions of Set-Valued Maps with
Upper Semicontinuity

4. KRISTINA GUMBOVIC

Construction of a Separable Subalgebra in the Space of

5. ANELA GAVRILA, IRENEA AVRAM, ANDREI GAVRILA

An Example of a Continuous Mapping Without Fixed Point

6. KRISTINA GUMBOVIC

Structure of Fixed Point Sets of Set-Valued Maps in D_2 Space with
Applications to Differential Equations in Hilbert Spaces

7. PATRICK H. DOWLING, CHRISTOPHER J. WITKINS

MARKY PROBYT

Approximating Variational Problems with Integral Functionals
Applications to Fixed Point Theory

8. KAZIMIERZ GURBAK WILCZOK

Fixed Point Theorems for Set-Valued Maps in Topological Groups

9. LESLAWA GRENICKI

Fixed Point Theorems for Set-Valued Maps in Topological Groups



VOL. LI.2

LUBLIN

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UNIwersytet Marii Curie-Skłodowskiej
ISSN 0365-1029

REDAKTORZY TOMU

JAN KRZYŻ, STANISŁAW PRUS

SEKRETARZ REDAKCJI

LECH MALISZEWSKI

PROJEKT OKŁADKI
I STRON TYTUŁOWYCH

JERZY DURAKIEWICZ

REDAKCJA WYDAWNICZA
SKŁAD SYSTEMEM TEX

JADWIGA ZYGMUNT

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DRUK: ZAKŁAD POLIGRAFII WYDAWNICTWA UMCS

ANNALES
UNIVERSITATIS MARIAE CURIE – SKŁODOWSKA
LUBLIN – POLONIA

VOL. LI.2

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