EGZEMPLARZ BIBLIOTECZNY

ANNALES

UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA

SECTIO A

MATHEMATICA

VOL. XLIX LUBLIN 1995

UNIWERSYTET MARII CURIE-SKŁODOWSKIEJ

ISSN 0365-1029

ANNALES

UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA

KOMITET REDAKCYJNY

REDAKTOR NACZELNY

Grzegorz Leopold Seidler

ZASTĘPCY REDAKTORA NACZELNEGO

Wiesław Skrzydło, Wiesław Śladkowski

REDAKTORZY SEKCJI

A	MATHEMATICA	Adam Bielecki, Jan Krzyż
AA	CHEMIA	Kazimierz Sykut
AAA	PHYSICA	Jan Sielewiesiuk
B	GEOGRAPHIA, GEOLOGIA ETC.	Józef Wojtanowicz
C	BIOLOGIA	Zbigniew Lorkiewicz
D	MEDICINA	Stanisław Bryc
DD	MEDICINA VETERINARIA	Zdzisław Gliński
DDD	PHARMACIA	Romuald Langwiński
E	AGRICULTURA	Adam Szember
EE	ZOOTECHNICA	Marian Budzyński
EEE	HORTICULTURA	Maria Tendaj
F	HISTORIA	Wiesław Śladkowski
FF	PHILOLOGIAE	Alina Aleksandrowicz
G	IUS	Wiesław Skrzydło
		Antoni Pieniążek – zastępca redaktora
H	OECONOMIA	Ryszard Orłowski
I	PHILOSOPHIA – SOCIOLOGIA	Zdzisław Cackowski
J	PAEDAGOGIA – PSYCHOLOGIA	Stanisław Popek
K	POLITOLOGIA	Jan Jachymek

ANNALES

UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA

SECTIO A

MATHEMATICA

VOL. XLIX LUBLIN 1995

UNIWERSYTET MARII CURIE-SKŁODOWSKIEJ

ISSN 0365-1029

OPRACOWANIE REDAKCYJNE
LECH MALISZEWSKI

PROJEKT OKŁADKI
I STRON TYTUŁOWYCH
JERZY DURAKIEWICZ

ISSN 0365-1029

WYDAWNICTWO UNIWERSYTETU MARII CURIE-SKŁODOWSKIEJ
Pl. Marii Curie-Skłodowskiej 5, 20-031 Lublin, tel. (0-81) 37-53-02, 37-53-04

ANNALES
UNIVERSITATIS MARIAE CURIE-SKŁODOWSKA
LUBLIN-POLONIA

VOL. XLIX SECTIO A 1995

Annales Universitatis Mariae Curie - Skłodowska Sectio A Mathematics is published by the Editorial Office of the university and endeavors to publish significant research papers in some selected areas of mathematics complying with scientific interest of our faculty, i.e. complex analysis, differential equations, differential geometry, functional analysis, probability. One volume of 150–200 pages is published each year.

To submit a paper for publication, an author should send two copies of the manuscript to the following address:

Redakcja Annales UMCS Sectio A (Mathematica)
Plac M. Curie–Skłodowskiej 5
20–031 Lublin, Poland.

The submission of a paper implies the author's assurance that it has not been published, or submitted for publication elsewhere. Preference will be given to manuscripts no longer than 30 pages written in TEX, possibly in English. Authors of published papers will receive 25 offprints. Manuscripts submitted for publication should be neatly typed on one side of the page only, double spaced, with generous margins. Diagrams should be drawn with black India ink on separate sheets of glossy white paper and be submitted for photographic reproduction. References should be in alphabetic–chronological order, abbreviations of names of journals and references to books should follow the standard form established by Mathematical Reviews, After the referee's approval, the authors of papers written in TEX will be requested to submit the diskette.

TABLE OF CONTENTS

1. D. BARTNIK
On Some Class of Functions Generated by Complex Functions of Bounded Variation 1

2. A. BOBROWSKI
Examples of a Pointwise Convergence of Semigroups 15

3. L. J. CIACH
Regularity and Almost Sure Convergence 35

4. J. GODULA and V. STARKOV
Applications of the Idea of Möbius Invariance to Obtain Equivalent Definitions of Bloch Function 41

5. A. GRIGORIAN and W. SZAPIEL
Two – Slit Harmonic Mappings 59

6. Z. GRODZKI and J. MYCKA
The Equivalence of Some Classes of Algorithms 85

7. H. HEBDA - GRABOWSKA
On the Rate of Convergence for Distributions of Linear Type Functionals for Sums of Infima of Independent Random Variables 101

8. V. K. JAIN
On Cauchy's Type Bounds for Zeros of a Polynomial 109

9. J. KLAŠKA
Partitions, Compositions and Divisibility 117

10. R. A. KORTRAM
Support Points of K 127

11. M. KRÓLIKOWSKA
Nonlinear Mappings with an Almost Sparse Jacobian Matrix 145

12. D. PARTYKA and K. SAKAN
Harmonic and Quasiconformal Mappings which Agree on the Boundary 159

13. H. RENELT
Generalized Powers and Extensions of Analytic Functions..... 173

14. V. STARKOV
Harmonic Locally Quasiconformal Mappings 183

15. D. SZYNAL and J. TEUGELS
On Moments of a Class of Counting Distributions 199

16. J. GODULA and V. STARKOV
Erratum to the paper "Estimates of Constants Connected with Linearly Invariant Families of Functions" 213