

SCIENTIFIC ISSUES

JAN DŁUGOSZ UNIVERSITY
in CZESTOCHOWA

MATHEMATICS XVII

2012

Scientific Editor
Jacek M. Jędrzejewski
Scientific Board

Jiří Cihlář — J. E Purkyné University in Usti nad Labem, Czech Republic
Roman Frič — Slovak Academy of Science, Košice; & Catholic University in Ružomberok, Slovak Republic
Tomaš Lengyelfalusy — Žilina, Slovak Republic
Bohumil Novák — Palacký University in Olomouc, Czech Republic
Adam Płocki — State Higher Vocational School in Nowy Sącz
Yuriy Povstenko — Jan Długosz University in Częstochowa,
Grażyna Rygał — Jan Długosz University in Częstochowa,
Oleg Tikhonenko — Częstochowa University of Technology,
Pavel Tlustý — University of South Bohemia in České Budějovice, Czech Republic
Marián Trenkler — Catholic University in Ružomberok, Slovak Republic
Tomáš Zdráhal — Palacký University in Olomouc, Czech Republic

Secretary of Redaction
Katarzyna Domańska
Computer Typesetting and Making-up
Jacek M. Jędrzejewski
Graphical Project of a Cover
Sławomir Sadowski
ISBN 978-83-7455-285-1
ISSN 1896-0286

©Copyright by Publishing House of Jan Długosz University in Częstochowa, 2012
Publishing House of Jan Długosz University in Częstochowa, ul. Waszyngtona 4/8, tel 0048343784329, fax 0048343784319
www.ajd.czest.pl e-mail: wydawnictwo@ajd.czest.pl
Editor's e-mail: sci.iss.ajd@ajd.czest.pl

PRACE NAUKOWE

AKADEMIA im. JANA DŁUGOSZA
w CZESTOCHOWIE

MATEMATYKA XVII

2012

Reviewers

Leonid Barannyk — Pomeranian University in Ślupsk
Małgorzata Filipczak — University of Łódź
Roman Ger — Silesian University in Katowice
Jacek Jędrzejewski — Jan Długosz University in Częstochowa
Zygfryd Kominek — Silesian University in Katowice
Janusz Matkowski — University of Zielona Góra
Zbigniew Piotrowski — Youngstown State University, Ohio, USA
Oleg Tikhonenko — Częstochowa University of Technology
Szymon Wąsowicz — The University of Bielsko-Biała

Contents

1. **W. Aziz, T. Ereú, N. Merentes, J. L. Sanchez, M. Wróbel** – *Uniformly Continuous composition Operator in the Space of Functions of two variables of Bounded Φ -Variation in the sense of Schramm*, _____ 7
2. **K. Domańska** – *On some addition formulas for homographic type functions* _____ 17
3. **I. Domnik, A. Sochaczewska** – *On upper and lower strong quasi-uniform convergence of multivalued maps* _____ 27
4. **T. Ereú, N. Merentes, J. L. Sanchez, M. Wróbel** – *Uniformly Bounded Set-Valued Composition Operators in the Spaces of functions of bounded variation in the sense of Schramm*, _____ 37
5. **D. Klein** – *Twisted group algebras of SUR-type of finite groups over an integral domain of characteristic p* _____ 49
6. **S. Kowalczyk** – *On local Whitney convergence* _____ 57
7. **M. Selyaninov** – *Modular technique of high-speed parallel computing on the sets of polynomials* _____ 69
8. **K. Troczka-Pawelec** – *Continuity of superquadratic set-valued functions* _____ 77
9. **I. Tyrala** – *The stability of the Dhombres-type trigonometric functional equation* _____ 87
10. **M. Ziolkowski** – *Some practical applications of generating functions and LSTs*, _____ 97