

VOL. **41** No. 1
6 ISSUES per YEAR
2021

AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY • KRAKOW

AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY PRESS KRAKOW 2021

CONTENTS

<i>Rachid Bentifour and Sofiane El-Hadi Miri</i> Some existence results for a nonlocal non-isotropic problem	5
<i>Abderrahim Charkaoui, Houda Fahim, Nour Eddine Alaa</i> Nonlinear parabolic equation having nonstandard growth condition with respect to the gradient and variable exponent	25
<i>Sergiy Kozerenko</i> More on linear and metric tree maps	55
<i>Manabu Naito</i> Remarks on the existence of nonoscillatory solutions of half-linear ordinary differential equations, I	71
<i>Michal Staš and Juraj Valiska</i> On the crossing numbers of join products of $W_4 + P_n$ and $W_4 + C_n$	95
<i>Joel Fotso Tachago, Hubert Nnang, and Elvira Zappale</i> Reiterated periodic homogenization of integral functionals with convex and nonstandard growth integrands	113
<i>Ernest Yankson</i> Exponential stability results for variable delay difference equations	145
Instructions for authors	157

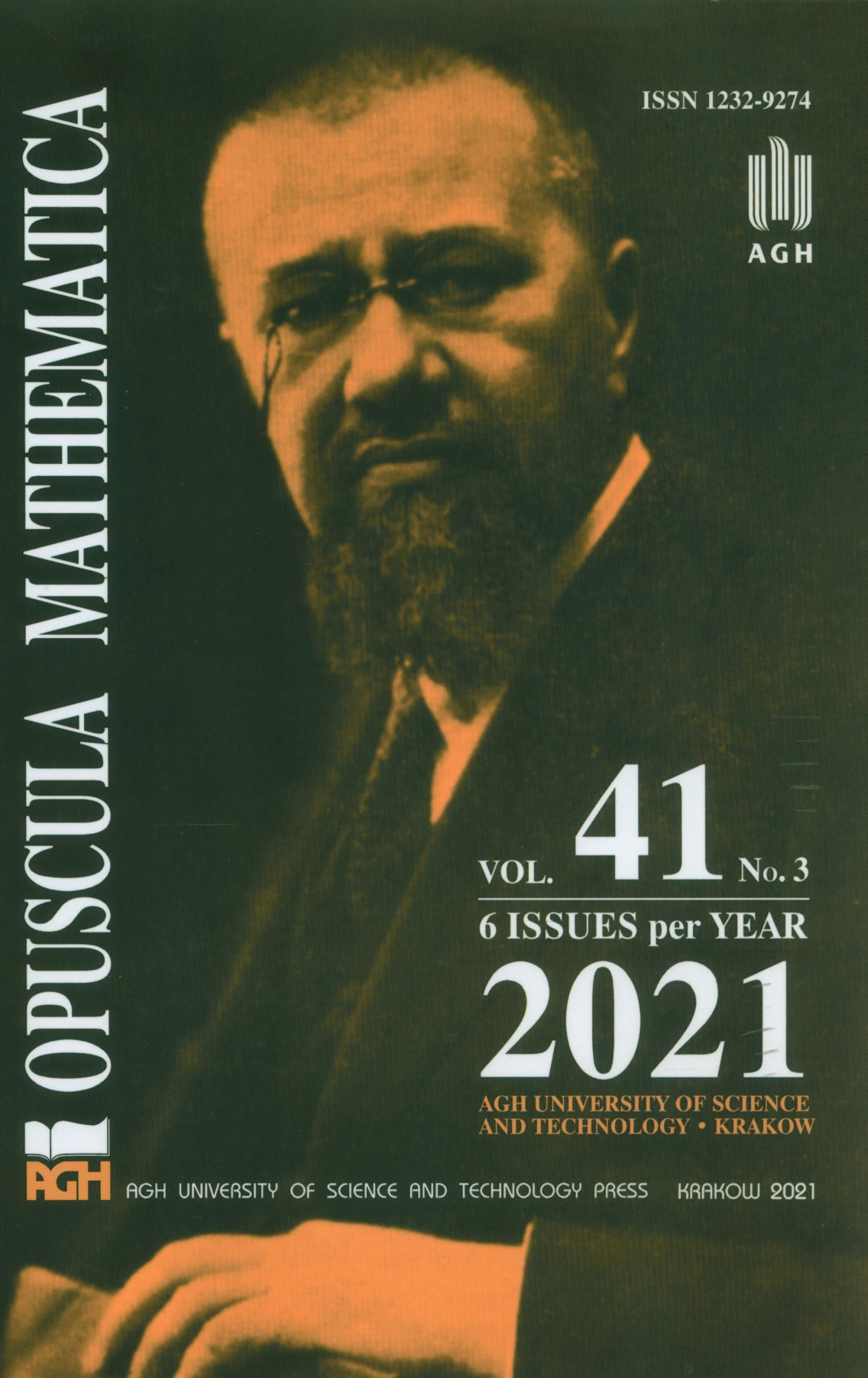
VOL. **41** No. 2

6 ISSUES per YEAR

2021

AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY • KRAKOW

AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY PRESS KRAKOW 2021



OPUSCULA MATHEMATICA

ISSN 1232-9274



VOL. **41** No. 3

6 ISSUES per YEAR

2021

AGH UNIVERSITY OF SCIENCE
AND TECHNOLOGY • KRAKOW



AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY PRESS KRAKOW 2021

<i>Daniel Alpay and Palle E.T. Jorgensen</i>	
New characterizations of reproducing kernel Hilbert spaces and applications to metric geometry	283
<i>Mirna Charif and Lech Zielinski</i>	
Perturbation series for Jacobi matrices and the quantum Rabi model	301
<i>Ilwoo Cho and Palle E.T. Jorgensen</i>	
Multi-variable quaternionic spectral analysis	335
<i>Christoph Fischbacher</i>	
Extensions of dissipative operators with closable imaginary part	381
<i>Michael Gil'</i>	
Spectrum localization of a perturbed operator in a strip and applications	395
<i>Anna Głowczyk and Sergiusz Kużel</i>	
On the S -matrix of Schrödinger operator with nonlocal δ -interaction	413
<i>Gerd Herzog and Peer Chr. Kunstmann</i>	
Quadratic inequalities for functionals in l^∞	437
Instructions for authors	447