

LITHUANIAN MATHEMATICAL SOCIETY  
VILNIUS UNIVERSITY

**LIETUVOS  
MATEMATIKOS  
RINKINYS**

**Proceedings of the Lithuanian  
Mathematical Society**

**Series A**

**Volume 63**

Vilnius University Press  
Vilnius 2022

# LIETUVOS MATEMATIKOS RINKINYS

## Proceedings of the Lithuanian Mathematical Society

### Series A

#### Editor-in-Chief

Artūras Štikonas  Vilnius University, Lithuania

E-mail: [arturas.stikonas@mif.vu.lt](mailto:arturas.stikonas@mif.vu.lt)

#### Deputy-Editors-in-Chief

Remigijus Leipus  Vilnius University, Lithuania

E-mail: [remigijus.leipus@mif.vu.lt](mailto:remigijus.leipus@mif.vu.lt)

Jonas Jankauskas  Vilnius University, Lithuania

E-mail: [jonas.jankauskas@mif.vu.lt](mailto:jonas.jankauskas@mif.vu.lt)

#### Executive Secretary

Rita Činčienė Vilnius University, Lithuania

E-mail: [rita.cinciene@mif.vu.lt](mailto:rita.cinciene@mif.vu.lt)

#### Editorial Board

J. Banionis, *Vytautas Magnus University, Lithuania*

I. Belovas, *Vilnius University, Lithuania*

P. Drungilas, *Vilnius University, Lithuania*

K. Dučinskas, *Klaipėda University, Lithuania*

R. Garunkštis, *Vilnius University, Lithuania*

A. Jakaitienė, *Vilnius University, Lithuania*

V. Janilionis, *Kaunas University of Technology, Lithuania*

R. Kačinskaitė, *Vilnius University, Vytautas Magnus University, Lithuania*

K. Kaulakytė, *Vilnius University, Lithuania*

N. Kosareva, *Vilnius Tech, Lithuania*

A. Krylovas, *Vilnius Tech, Lithuania*

K. Kubilius, *Vilnius University, Lithuania*

O. Kurasova, *Vilnius University, Lithuania*

R. Levulienė, *Vilnius University, Lithuania*

R. Macaitienė, *Vilnius University Šiauliai Academy, Lithuania*

M. Manstavičius, *Vilnius University, Lithuania*

B. Narkevičienė, *Kaunas University of Technology, Lithuania*

R. Norvaiša, *Vilnius University, Lithuania*

M. Radavičius, *Vilnius University, Lithuania*

M. Ragulskis, *Kaunas University of Technology, Lithuania*

J. Šiaulyš, *Vilnius University, Lithuania*

O. Štikonienė, *Vilnius University, Lithuania*

S. Urbonienė, *Vytautas Magnus University, Lithuania*

S. Zubė, *Vilnius University, Lithuania*

#### *Editorial Office:*

VU Faculty of Mathematics and Informatics

Naugarduko st. 24, LT-03225 Vilnius, Lithuania

<https://www.journals.vu.lt/LMR>

ISSN 0132-2818, eISSN 2335-898X

© Vilnius University Press, 2022

The LXIII Conference of LMS,  
*dedicated to the 100th anniversary of the University of Lithuania,*  
was held on June 16–17, 2022 at Kaunas

### Conference Programme

#### **Scientific Committee:**

A. Štikonas (Chair, *Vilnius University*),

R. Leipus (Vice-Chair, *Vilnius University*),

*Vilnius University*: R. Garunkštis, A. Jakaitienė, J. Jankauskas, K. Kubilius,  
O. Kurasova, R. Macaitienė, R. Norvaiša, M. Radavičius,  
D. Šiaučiūnas, J. Šiaulys, O. Štikonienė, S. Zubė,

*Kaunas University of Technology*: V. Janilionis, B. Narkevičienė, M.K. Ragulskis,

*Vytautas Magnus University*: R. Kačinskaitė, R. Krikštolaitis, T. Krilavičius,  
S. Urbonienė,

*Lithuanian University of Health Sciences*: I. Grabauskaitė.

#### **Local Organizing Committee:**

*Vytautas Magnus University*: R. Krikštolaitis (Chair), R. Kačinskaitė,  
S. Urbonienė,

*Kaunas University of Technology*: B. Narkevičienė (Vice-Chair), V. Janilionis,  
D. Petkevičiūtė-Gerlach,

*Lithuanian University of Health Sciences*: R. Paukštaitienė (Vice-Chair),  
I. Grabauskaitė, J. Tomkevičiūtė.