

## ***MathPole***

*Manifestări științifice organizate:*

### ***MathPole Workshop – 5 noiembrie 2020***

Proiectul CNFIS-FDI-2020-0034 cu titlul Suport pentru cercetare de excelență în disciplinele din aria STEM

Invitat: *Prof. Dr. Habil. Ariana Pitea* (Univ. Politehnica București)

***Seminarul științific al MathPole*** a fost organizat anual în luna iunie/iulie (perioada 2021-2024).

În anul **2022**, la ***seminarul științific*** din data de **7 iulie**, MathPole a avut onoarea de a-l avea ca invitat pe *Prof. dr. mat. Jaewon Lee* de la *Gyeongsang National University* din *Coreea de Sud*. De asemenea, invitați la această ediție a seminarului științific au fost și conf. dr.mat. Vladimir Slesar, precum și lect. dr. mat. Adrian Mihai Ionescu, ambii de la Universitatea Politehnica București.

## *Publicații*

**G Maniu**, *On a three-step iteration process for Suzuki mappings with qualitative study*, Numerical Functional Analysis and Optimization 41 (8), 929-949, 2020

D Costarelli, A Croitoru, A Gavriluț, **A Iosif**, AR Sambucini, *The Riemann-Lebesgue integral of interval-valued multifunctions*, Mathematics 8 (12), 2250, 2020

D Candeloro, A Croitoru, A Gavriluț, **A Iosif**, AR Sambucini, *Properties of the Riemann–Lebesgue integrability in the non-additive case*, Rendiconti del Circolo Matematico di Palermo Series 2 69 (2), 577-589, 2020

F. Mofarreh, A Almutairi, O Bazighifan, MA Aiyashi, **AD Vîlcu**, *On the oscillation of solutions of differential equations with neutral term*, Mathematics, 2021

A Croitoru, A Gavriluț, **A Iosif**, AR Sambucini, , *Mathematical Foundations of Computing* 4 (4), 2021

**T Boaca**, *Identification of the minimum value of reservoir permeability in nonlinear single phase mud filtrate invasion model*, Nonlinear Analysis: Real World Applications 59, 103274, 2021

**T Boaca**, *An identification problem related to mud filtrate invasion phenomenon during drilling operations*, Inverse Problems in Science and Engineering 29 (12), 2401-2428, 2021

BY Chen, **AD Vîlcu**, GE Vîlcu, *Classification of graph surfaces induced by weighted-homogeneous functions exhibiting vanishing Gaussian curvature*, Mediterranean Journal of Mathematics 19 (4), 162, 2022

A Croitoru, A Gavriluț, **A Iosif**, AR Sambucini, *Convergence Theorems in Interval-Valued Riemann–Lebesgue Integrability*, Mathematics 10 (3), 450, 2022

BY Chen, MA Lone, **AD Vîlcu**, GE Vîlcu, *Curvature properties of spacelike hypersurfaces in a RW spacetime*, Journal of Geometry and Physics 194, 105015, 2023

**AD Vîlcu**, GE Vîlcu, *Interactions Between Differential Geometry and Production Theory*, International Workshop on Differential Geometry, 271-291, Springer Nature Switzerland, 2023

A Croitoru, A Gavriluț, **A Iosif**, AR Sambucini, *Inequalities in Riemann–Lebesgue Integrability*, Mathematics 12 (1), 49, 2023

**A Ștefan**, *Stanley depth of powers of the path ideal*, U.P.B.SCI.Bull., Series A, 85 (Iss. 2, 2023), 69-76

IF Harry, MA Lone, **AD Vîlcu**, GE Vîlcu, *On some basic curvature invariants of screen homothetic lightlike hypersurfaces in a GRW spacetime*, Differential Geometry and its Applications 94, 102140, 2024

G Moise, EG Dragomir, D Șchiopu, **LA Iancu**, *Towards integrating automatic emotion recognition in education: A deep learning model based on 5 EEG channels*, International Journal of Computational Intelligence Systems 17 (1), 230, 2024

#### *Participări la conferințe*

1. **Iosif A.E.**, The 30th Conference on Applied and Industrial Mathematics CAIM 2023 September 14–17, 2023, Iași, Romania

2. **Iosif A.E.**, Tenth Congress of Romanian Mathematicians, June 30 - July 5, 2023, Pitești, Romania.

3. **Vîlcu A.D.**, International Conference "Riemannian Geometry and Applications-RIGA 2021", Romania, Bucharest, January 15-17, 2023.

4. **Vîlcu A.D.**, 4th International Workshop on Differential Geometry, Haifa, Israel, May 10-13, 2023.

5. **Iosif A.E.**, International Conference on Nonlinear Analysis and Computational Techniques (ICNACT-2024), August 8-10, VIT Bhopal University, India