

1. Record Nr.	UNISA990001727870203316
Autore	LEVI, Peter
Titolo	Atlas of the greek world... / Peter Levi
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Autore	Kahler Uwe
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Altri autori (Persone)	ReissigMichael SabadiniIrene VindasJasson
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Nota di contenuto	<p>- Part I Plenary Lecture -- A Review of Univariate and Multivariate Multifractal Analysis Illustrated by the Analysis of Marathon Runners Physiological Data -- Part II Applications of Dynamical Systems Theory in Biology -- Wavefronts in Forward-Backward Parabolic Equations and Applications to Biased Movements -- Bohr-Levitan Almost Periodic and Almost Automorphic Solutions of Equation $x'(t) = f(t-1, x(t-1)) - f(t, x(t))$ -- Periodic Solutions in a Differential Delay Equation Modeling Megakaryopoiesis -- Discrete and Continuous Models of the COVID-19 Pandemic Propagation with a Limited Time Spent in Compartments -- Part III Challenges in STEM Education -- Some Aspects of Usage of Digital Technologies in Mathematics Education -- Teaching of STEM Lectures During the COVID-19 Time -- Extra-Curricular Activities to Promote STEM Learning -- Usage of Online Platforms in Education of Mathematics in Transcarpathia at the Beginning of Quarantine -- The Use of Technologies to Promote Critical Thinking in Pre-service Teachers -- Alarming Changes in Polish Education vs Longlife and Remote Learning -- The Most Common Mathematical Mistakes in the Teaching of Scientific Subjects at Secondary Schools -- Challenges to the Development of Effective Creativity -- Part IV Complex Analysis and Partial Differential Equations -- Universality of the Dirichlet Series in the Complex Plane -- On One Oscillation Problem of Zeroth Approximation of Hierarchical Model for Porous Elastic Plates with Variable Thickness -- Solution of the Kirsch Problem for the Elastic Materials with Voids in the Case of Approximation $N = 1$ of Vekua's Theory -- Analysis of BVP for Some Elliptic Systems on a Complex Plane -- Second Order Differential Operators Associated to the Space of Holomorphic Functions -- Constructional Method for a Non-local Boundary and Initial Problem Raised from a Free Boundary Model of Cancer -- Part V Complex Variables and Potential Theory -- A Perturbation Result for a Neumann Problem in a Periodic Domain -- On One Inequality for Non-overlapping Domains -- Schwarz Lemma Type Estimates for Solutions to Nonlinear Beltrami Equation -- On Conditions of Local Lineal Convexity Generalized to Commutative Algebras -- On a Quadrature Formula for the Direct Value of the Double Layer Potential -- Menchov-Trokhimchuk Theorem Generalized for Monogenic Functions in a Three-Dimensional Algebra -- Part VI Constructive Methods in the Theory of Composite and Porous Media -- Monodromy of Pfaffian Equations for Group-Valued Functions on Riemann Surfaces -- Introduction to Neoclassical Theory of Composites -- Analogues the Kolosov-Muskhelishvili Formulas for Isotropic Materials with Double Voids -- Schwarz-Christoffel Mapping and Generalised Modulus of a Quadrilateral -- Dimension Reduction in the Periodicity Cell Problem for Plate Reinforced by a Unidirectional System of Fibers -- Self-Consistent Approximations in the Theory of Composites and Their Limitations -- On Electromagnetic Wave Equations for a Nonhomogenous Microperiodic Medium -- Part VII Generalized Functions and Applications -- A Note on Composition Operators Between Weighted Spaces of Smooth Functions -- 1D Hyperbolic Systems with Nonlinear Boundary Conditions II: Criteria for Finite Time Stability -- 1D Hyperbolic Systems with Nonlinear Boundary Conditions I: L2-Generalized Solutions -- On Classification of</p>

Semigroups Associated to Levy Processes -- Part VIII Harmonic Analysis and Partial Differential Equations -- The Index of Toeplitz Operators on Compact Lie Groups and on Simply Connected Closed 3-Manifolds -- Part IX Partial Differential Equations on Curved Spacetimes -- Lorentzian Spectral Zeta Functions on Asymptotically Minkowski Spacetimes -- Aspects of Non-associative Gauge Theory -- Remarks on Global Smoothing Effect of Solutions to Nonlinear ElasticWave Equations with Viscoelastic Term -- Local and Global Solutions for the Semilinear Proca Equations in the de Sitter Spacetime -- Numerical Simulations of Semilinear Klein–Gordon Equation in the de Sitter Spacetime with Structure-Preserving Scheme -- Part X Recent Progress in Evolution Equations -- Global Small Data Solutions for an Evolution Equation with Structural Damping and Hartree-Type Nonlinearity -- A Note on Continuity of Strongly Singular Calderón-Zygmund Operators in Hardy-Morrey Spaces -- The Asymptotic Estimates of the Solutions to the Linear Damping Models with Spatial Dependent Coefficients -- A Klein-Gordon Model with Time-Dependent Coefficients and a Memory-Type Nonlinearity -- Intrinsic Polynomial Squeezing for Balakrishnan-Taylor Beam Models -- On the Wave-Like Energy Estimates of Klein-Gordon Type Equations with Time Dependent Potential -- Non-Linear Evolution Equations with Non-Local Coefficients and Zero-Neumann Condition: One Dimensional Case -- Nonlinear Perturbed BLMP Equation -- Part XI Wavelet Theory and Its Related Topics -- Holomorphic Curves with Deficiencies and the Uniqueness Problem -- On Some Topics Related to the Gabor Wavelet Transform -- On the Diameters and Radii of the Extended Sierpiski Graphs -- Some Inequalities for Parseval Frames -- p-Adic Time-Frequency Analysis and Its Properties.

Sommario/riassunto

This volume contains the contributions of the participants of the 13th International ISAAC Congress 2021, held in Ghent, Belgium. The papers, written by respected international experts, address recent results in mathematics, with a special focus on analysis. The volume provides to both specialists and non-specialists an excellent source of information on current research in mathematical analysis and its various interdisciplinary applications.
