

1. Record Nr.	UNINA9910480264203321
Autore	Cholewinski Frank M.
Titolo	The finite calculus associated with Bessel functions // Frank M. Cholewinski
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1988] ©1988
ISBN	0-8218-7664-3
Descrizione fisica	1 online resource (136 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; volume 75
Disciplina	515/.53
Soggetti	Bessel functions Calculus Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""1. Introduction""; ""2. Definitions and Preliminary Results""; ""3. The v-Umbral Algebra""; ""4. The v-Umbral Field""; ""5. The Group of v-Delta Functionals Under Composition""; ""6. Generalized Binomial Polynomial Sequences""; ""7. The Composition of Polynomial Sequences""; ""8. Compositions of Molebius Delta Functionals""; ""9. Generalized Shift Invariant Operators""; ""10. The Generalized Derivative of v-Shift Invariant Operators""; ""11. Generalized Sheffer Polynomials""; ""12. Cross Sets of Polynomials""; ""13. A Class of Laguerre Type Polynomials"" ""14. The Generalized Heat Polynomials""""15. A Primitive Integral for the Euler Operator""; ""16. Bernoulli Type Polynomials and Numbers""; ""17. Generalized Euler Polynomials and Numbers""; ""18. Generalized Stirling Numbers and Factor Polynomials""; ""Bibliography""

2. Record Nr.	UNINA9910984693303321
Autore	Balandin Dmitry
Titolo	Mathematical Modeling and Supercomputer Technologies : 24th International Conference, MMST 2024, Nizhni Novgorod, Russia, November 18–21, 2024, Revised Selected Papers // edited by Dmitry Balandin, Konstantin Barkalov, Iosif Meyerov
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031804571 9783031804564
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (399 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2363
Altri autori (Persone)	BarkalovKonstantin MeyerovIosif
Disciplina	621.39 004.6
Soggetti	Computer engineering Computer networks Computer science - Mathematics Artificial intelligence Computer Engineering and Networks Mathematics of Computing Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Artificial intelligence and supercomputer simulation. -- Tools for Constructing Production Digital Twin Models Based on an Algebraic Approach and a Graphical State Language Extended by Functional and Operational Semantics. -- The Comparison of Meta-Heuristic and Reinforcement Learning Approach to Implement a Given Qubit Logic -- Modelling of a Quantum System Dynamics in an Instantaneous Basis. -- Evaluating Perceived Complexity of Process Models from a Targeted Survey of Healthcare Domain Specialists. -- Constructing Author Closeness Networks Using SCOPUS Bibliometric Data. -- Optimizing Deep Learning Inference on RISC-V Platforms within the OpenVINO Toolkit. -- Computing in optimization and optimal control. --

Multicriteria Selection of Parameters of Multi-Pulse Strongly Nonlinear Dynamic Systems. -- Assessing Diversity in Global Optimization Methods. -- Data Reconciliation and Monitoring in Gasoline Blending Applications. -- The COPRAS Method with Interval Weights. -- Optimal Control of Quasi-Stationary Electromagnetic Fields. -- Computational methods for mathematical models analysis. -- Comparison of Different Models for Simulation of Ice Destroyed Zones During the Low-Speed Impact. -- One-dimensional Boundary Value Problems of Nonlinear Diffusion Theory. -- New simple Lie algebras found by computer and non-alternating Hamiltonian algebras. -- Justification and Implementation of the Galerkin Method for Solving Non-Classical Mathematical Problems of the Atmospheric Electricity Theory. -- Mathematical Modeling of the Dynamics of Elastic Elements of Mechanical Engineering Structures Carrying Moving Distributed Loads. -- Numerical Modeling of Low-Velocity Impacts on Aircraft Composite Rods. -- Dynamic Model of a Composite Sectional Design of a Tiltrotor with Two Tilting Propellers. -- Acoustic Levitation Applied to Tissue Engineering. -- Numerical Investigation of Initial Small Imperfection Influence on Post-buckling Shape of a Cylindrical Shell in Axial Compression.

Sommario/riassunto

This book constitutes the refereed proceedings of the 24th International Conference on Mathematical Modeling and Supercomputer Technologies , MMST 2024, held in Nizhni Novgorod, Russia, during November 18–21 2024. The 17 full papers and 3 short papers included in this book were carefully reviewed and selected from 39 submissions. They were organized in topical sections as follows: artificial intelligence and supercomputer simulation; computing in optimization and optimal control; computational methods for mathematical models analysis.
