1. Record Nr.   UNINA9910886089703321

Autore   Kountchev (deceased) Roumen

Titolo   Intelligent 3D Technologies and Augmented Reality : Proceedings of the
                    Fifth International Conference on 3D Imaging Technologies—
                    Multidimensional Signal Processing and Deep Learning, Volume 2 / /
                    edited by Roumen Kountchev (deceased), Srikanta Patnaik, Yingkai Liu,
                    Roumiana Kountcheva

Pubbl/distr/stampa Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024

ISBN   981-9751-84-5

Edizione   [1st ed. 2024.]

Descrizione fisica 1 online resource (342 pages)

Collana   Smart Innovation, Systems and Technologies, , 2190-3026 ; ; 401

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                    LiuYingkai
                    KountchevaRoumiana

Disciplina   006.3

Soggetti   Computational intelligence
                    Artificial intelligence
                    Signal processing
                    Multimedia systems
                    Computational Intelligence
                    Artificial Intelligence
                    Signal, Speech and Image Processing
                    Multimedia Information Systems

Lingua di pubblicazione Inglese

Formato   Materiale a stampa

Livello bibliografico Monografia

Nota di contenuto   1. Virtual reality image generation and enhancement based on real-
                    time model simplification -- 2. Deep Landscape Design Evaluation
                    System with Multi-scale Visual Attention Mechanism -- 3. The Role and
                    Effect of Deep Learning in Landscape Design Innovation -- 4.
                    Application of 3D Image Technology and Deep Learning in Landscape
                    Design -- 5. The Influence of University Yoga Course Based on VR
                    Technology on university students' Physical Fitness and Special Sports
                    Skills -- 6. Enhancing Mobile Robot Path Planning through Advanced
                    Deep Reinforcement Learning -- 7. Innovative Application of VR
                    Technology in Ceramic Art Design Exhibition -- 8. Deep Learning-
                    based Species Classification using Joint ResNet and Data Augmentation

-- 9. Simulation and Application of Digital Display Model Based on Computer Vision and Virtual Reality -- 10. Chinese Image Description Generation Model Based on Recurrent Fusion Encoding.

Sommario/riassunto	This book presents high-quality research in the field of 3D imaging technology. The fifth edition of International Conference on 3D Imaging Technology (3DDIT-MSP&DL) continues the good traditions already established by the first four editions of the conference to provide a wide scientific forum for researchers, academia, and practitioners to exchange newest ideas and recent achievements in all aspects of image processing and analysis, together with their contemporary applications. The conference proceedings are published in two volumes. The main topics of the papers comprise famous trends such as: 3D image representation, 3D image technology, 3D images and graphics, and computing and 3D information technology. In these proceedings, special attention is paid at the 3D tensor image representation, the 3D content generation technologies, big data analysis, and also deep learning, artificial intelligence, the 3D image analysis and video understanding, the 3D virtual and augmented reality, and many related areas. The first volume contains papers in 3D image processing, transforms, and technologies. The second volume is about computing and information technologies, computer images, and graphics and related applications. The two volumes of the book cover a wide area of the aspects of the contemporary multidimensional imaging and the related future trends from data acquisition to real-world applications based on various techniques and theoretical approaches.

2.	Record Nr.	UNINA9910962184403321
	Autore	Koshy Thomas
	Titolo	Elementary number theory with applications / / Thomas Koshy
	Pubbl/distr/stampa	Amsterdam ; ; Boston, : Academic Press, c2007
	ISBN	1-282-54025-4
		9786612540257
		0-08-054709-5
	Edizione	[2nd ed.]
	Descrizione fisica	1 online resource (801 pages)
	Disciplina	512.7
	Soggetti	Number theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Errata slip inserted.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Fundamentals -- Divisibility -- Greatest common divisors -- Congruences -- Congruence applications -- Systems of linear congruences -- Three classical milestones -- Multiplicative functions -- Cryptology -- Primitive roots and indices -- Quadratic congruences -- Continued fractions -- Miscellaneous nonlinear diophantine equations.
	Sommario/riassunto	This second edition updates the well-regarded 2001 publication with new short sections on topics like Catalan numbers and their relationship to Pascal's triangle and Mersenne numbers, Pollard rho factorization method, Hoggatt-Hensell identity. Koshy has added a new chapter on continued fractions. The unique features of the first edition like news of recent discoveries, biographical sketches of mathematicians, and applications--like the use of congruence in scheduling of a round-robin tournament--are being refreshed with current information. More challenging exercises are included both in the t