1. Record Nr. UNINA9910254601203321

Autore	Pike Oliver James
Titolo	Particle Interactions in High-Temperature Plasmas / / by Oliver James Pike
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-63447-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (154 pages) : illustrations, tables
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	537.16
Soggetti	Plasma (Ionized gases) Astrophysics Particle acceleration Plasma Physics Astrophysics and Astroparticles Particle Acceleration and Detection, Beam Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Theoretical Background -- Dynamical Friction in a Relativistic Plasma -- Transport Processes in a Relativistic Plasma -- Numerical Simulations of High Temperature Plasmas -- An Experiment to Observe the Breit-Wheeler Process -- Conclusions.
Sommario/riassunto	This thesis makes two important contributions to plasma physics. The first is the extension of the seminal theoretical works of Spitzer and Braginskii, which describe the basics of particle interactions in plasma, to relativistic systems. Relativistic plasmas have long been studied in high-energy astrophysics and are becoming increasingly attainable in the laboratory. The second is the design of a new class of photon–photon collider, which is the first capable of detecting the Breit–Wheeler process. Though it offers the simplest way for light to be converted into matter, the process has never been detected in the 80 years since its theoretical prediction. The experimental scheme proposed here exploits the radiation used in inertial confinement fusion experiments and could in principle be implemented in one of several current-

generation facilities.

2. Record Nr. UNINA9910983357803321

Autore	Leonardis Ales
Titolo	Computer Vision – ECCV 2024 : 18th European Conference, Milan, Italy, September 29–October 4, 2024, Proceedings, Part LXXXVIII / / edited by Aleš Leonardis, Elisa Ricci, Stefan Roth, Olga Russakovsky, Torsten Sattler, Gül Varol
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031732232 3031732235
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (596 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 15146
Altri autori (Persone)	RicciElisa RothStefan RussakovskyOlga SattlerTorsten VarolGül
Disciplina	006.37
Soggetti	Image processing - Digital techniques Computer vision Image processing Computer networks Machine learning Computers, Special purpose User interfaces (Computer systems) Human-computer interaction Computer Imaging, Vision, Pattern Recognition and Graphics Image Processing Computer Communication Networks Machine Learning Special Purpose and Application-Based Systems User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto

HyperSpaceX: Radial and Angular Exploration of HyperSpherical Dimensions -- InstructGIE: Towards Generalizable Image Editing -- HandDAGT: A Denoising Adaptive Graph Transformer for 3D Hand Pose Estimation -- Navigating Text-to-Image Generative Bias across Indic Languages -- Correspondence-Free SE(3) Point Cloud Registration in RKHS via Unsupervised Equivariant Learning -- CTRLorALTer: Conditional LoRAdapter for Efficient 0-Shot Control & Altering of T2I Models -- Nickel and Diming Your GAN: A Dual-Method Approach to Enhancing GAN Efficiency via Knowledge Distillation -- VividDreamer: Invariant Score Distillation for Hyper-Realistic Text-to-3D Generation -- A Framework for Efficient Model Evaluation through Stratification, Sampling, and Estimation -- Towards Scene Graph Anticipation -- Non-Line-of-Sight Estimation of Fast Human Motion with Slow Scanning Imagers -- Distributed Semantic Segmentation with Efficient Joint Source and Task Decoding -- NePhi: Neural Deformation Fields for Approximately Diffeomorphic Medical Image Registration -- Aligning Neuronal Coding of Dynamic Visual Scenes with Foundation Vision Models -- Image Manipulation Detection With Implicit Neural Representation and Limited Supervision -- Scalar Function Topology Divergence: Comparing Topology of 3D Objects -- Introducing Routing Functions to Vision-Language Parameter-Efficient Fine-Tuning with Low-Rank Bottlenecks -- Concept Arithmetics for Circumventing Concept Inhibition in Diffusion Models -- DeTra: A Unified Model for Object Detection and Trajectory Forecasting -- ControlNet-XS: Rethinking the Control of Text-to-Image Diffusion Models as Feedback-Control Systems -- Adaptive Bounding Box Uncertainties via Two-Step Conformal Prediction -- Common Sense Reasoning for Deep Fake Detection -- Let the Avatar Talk using Texts without Paired Training Data -- NeRF-MAE: Masked AutoEncoders for Self-Supervised 3D Representation Learning for Neural Radiance Fields -- GOEmbed: Gradient Origin Embeddings for Representation Agnostic 3D Feature Learning -- Causal Subgraphs and Information Bottlenecks: Redefining OOD Robustness in Graph Neural Networks -- AddBiomechanics Dataset: Capturing the Physics of Human Motion at Scale.

Sommario/riassunto

The multi-volume set of LNCS books with volume numbers 15059 up to 15147 constitutes the refereed proceedings of the 18th European Conference on Computer Vision, ECCV 2024, held in Milan, Italy, during September 29–October 4, 2024. The 2387 papers presented in these proceedings were carefully reviewed and selected from a total of 8585 submissions. They deal with topics such as computer vision; machine learning; deep neural networks; reinforcement learning; object recognition; image classification; image processing; object detection; semantic segmentation; human pose estimation; 3d reconstruction; stereo vision; computational photography; neural networks; image coding; image reconstruction; motion estimation.