

1. Record Nr.	UNINA9910463330803321
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Titolo	Computational physics of electric discharges in gas flows [[electronic resource] /] / Sergey T. Surzhikov
Pubbl/distr/stampa	Berlin ; ; Boston, : De Gruyter, 2013
ISBN	1-68015-211-4
Descrizione fisica	1 online resource (440 p.)
Collana	De Gruyter Studies in Mathematical Physics ; ; 7
Disciplina	537.5/30151
Soggetti	Glow discharges Electric discharges through gases 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 and index.
Nota di contenuto	Front matter -- Preface -- Contents -- Part I. Elements of the theory of numerical modeling of gas-discharge phenomena -- Chapter 1. Models of gas-discharge physical mechanics -- Chapter 2. Application of numerical simulation models for the investigation of laser supported waves -- Chapter 3. Computational models of magnetohydrodynamic processes -- Part II. Numerical simulation models of glow discharge -- Chapter 4. The physical mechanics of direct current glow discharge -- Chapter 5. Drift-diffusion model of glow discharge in an external magnetic field -- Part III. Ambipolar models of direct current discharges -- Chapter 6. Quasi-neutral model of gas discharge in an external magnetic field and in gas flow -- Chapter 7. Viscous interaction on a flat plate with surface discharge in a magnetic field -- Chapter 8. Hypersonic flow of rarefied gas in a channel with glow discharge in an external magnetic field -- Chapter 9. Hypersonic flow of rarefied gas in a curvilinear channel with glow discharge -- Appendix -- Bibliography -- Index
Sommario/riassunto	Physical models of gas discharge processes in gas flows and numerical simulation methods, which are used for numerical simulation of these phenomena are considered in the book. Significant attention is given to a solution of two-dimensional problems of physical mechanics of electric arc, radio-frequency, micro-wave, and optical discharges, as well as to investigation of electrodynamic structure of direct current

glow discharges. Problems of modern computational magnetohydrodynamics (MHD) are considered also. Prospects of the different kinds of discharges use in aerospace applications are discussed. This book is intended for scientists and engineers concerned with physical gas dynamics, physics of the low-temperature plasma and gas discharges, and also for students and post-graduate students of physical and technical specialties of universities.

2. Record Nr.	UNINA9910147228803321
Titolo	ANSI N42.35-2004: : American National Standard for Evaluation and Performance of Radiation Detection Portal Monitors for Use in Homeland Security / / Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York, NY : , : IEEE, , 2004
Descrizione fisica	1 online resource (vi, 31 pages)
Disciplina	355.03
Soggetti	National security Radiation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9910484439603321
Titolo	Auditory Display : 6th International Symposium, CMMR/ICAD 2009, Copenhagen, Denmark, May 18-22, 2009, Revised Papers // edited by Sølvi Ystad, Mitsuko Aramaki, Richard Kronland-Martinet, Kristoffer Jensen
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-38623-1 9786613564153 3-642-12439-9
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (XIII, 493 p. 185 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 5954
Altri autori (Persone)	YstadSivi
Disciplina	006.5
Soggetti	Computer engineering Computer networks Application software User interfaces (Computer systems) Human-computer interaction Database management Multimedia systems Data mining Computer Engineering and Networks Computer and Information Systems Applications User Interfaces and Human Computer Interaction Database Management Multimedia Information Systems Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Auditory Display -- Tools for Designing Emotional Auditory Driver-Vehicle Interfaces -- Investigating Narrative and Performative Sound Design Strategies for Interactive Commodities -- A Review of Methods

and Frameworks for Sonic Interaction Design: Exploring Existing Approaches -- Designing a Web-Based Tool That Informs the Audio Design Process -- Auditory Representations of a Graphical User Interface for a Better Human-Computer Interaction -- PhysioSonic - Evaluated Movement Sonification as Auditory Feedback in Physiotherapy -- Sonification and Information Theory -- A Sound Design for Acoustic Feedback in Elite Sports -- Surface Interactions for Interactive Sonification -- Quantum Harmonic Oscillator Sonification -- Using Sound to Identify Correlations in Market Data -- Intelligibility of HE-AAC Coded Japanese Words with Various Stereo Coding Modes in Virtual 3D Audio Space -- Navigation Performance Effects of Render Method and Head-Turn Latency in Mobile Audio Augmented Reality -- Evaluating the Utility of Auditory Perspective-Taking in Robot Speech Presentations -- Simulator Sickness in Mobile Spatial Sound Spaces -- Modeling and Retrieval -- From Signal to Substance and Back: Insights from Environmental Sound Research to Auditory Display Design -- Simulating the Soundscape through an Analysis/Resynthesis Methodology -- Effect of Sound Source Stimuli on the Perception of Reverberation in Large Volumes -- Towards Timbre Modeling of Sounds Inside Accelerating Cars -- Spatialized Synthesis of Noisy Environmental Sounds -- Imagine the Sounds: An Intuitive Control of an Impact Sound Synthesizer -- Algorithms for an Automatic Transcription of Live Music Performances into Symbolic Format -- Raising Awareness about Complete Automation of Live-Electronics: A Historical Perspective -- Polyphonic Alignment Algorithms for Symbolic Music Retrieval -- AllThatSounds: Associative Semantic Categorization of Audio Data.

Sommario/riassunto

Computer Music Modeling and Retrieval 2009 was the sixth event of this - ternational conference series that was initiated in 2003. Since the start, this conference has been co-organized by the University of Aalborg, Esbjerg, D- mark (<http://www.aaue.dk>) and the Laboratoire de Mécanique et d'Acoustique in Marseille, France (<http://www.lma.cnrs-mrs.fr>) and has taken place in France, Italy and Denmark. The've previous editions of CMMR offered a varied overview of recent years' music information retrieval and sound modeling activities in addition to alternative ?elds related to human interaction, perception and c- nition, as well as philosophical aspects linked to the ?eld. We believe that the strength and the originality of this international conference both lie in its mul- disciplinary concept and its ability to permanently evolve and open for new trends and directions within the related ?elds of interest. This year's CMMR took place in Copenhagen, Denmark, May 18-22, 2009 and was associated with the International Conference on Auditory Display (<http://www.icad.org>), hereby introducing new topics related to sound design, soni'cation and augmented - ality to the computer music modeling and retrieval community.
