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Titolo	Cross sections and rate constants for physical and chemical processes [[electronic resource] /] / edited by G.G. Chernyl ... [et al.]
Pubbl/distr/stampa	Reston, Va., : American Institute of Aeronautics and Astronautics, 2002
ISBN	1-60086-666-2 1-60086-447-3
Edizione	[English ed.]
Descrizione fisica	1 online resource (316 p.)
Collana	Progress in astronautics and aeronautics ; ; v. 196 Physical and chemical processes in gas dynamics ; ; v. 1
Altri autori (Persone)	Chernyi G. G
Disciplina	629.1 s 620.1/074
Soggetti	Gas dynamics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Originally published in Russian in 1995 by Moscow University Press, Moscow, Russia.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""Cover""; ""Title""; ""Copyright""; ""Contents""; ""Preface""; ""Chapter 1 General Notions and Essential Quantities""; ""I. Particles and Processes Under Consideration""; ""II. Physical Quantities, Notations, and Units of Measurement""; ""A. Physical Quantities""; ""B. Physical Constants and Units of Measure""; ""III. Description and Characteristics of Interacting Particles""; ""A. General Notation of Particles""; ""B. Extended Notation of Particle States (Subscripts/Superscripts)""; ""C. Electronic, Vibrational, and Rotational States""</p> <p>""D. Statistical Weight (Multiplicity) of Electronic States""""E. Statistical Weight (Multiplicity), Vibrational Frequency, Vibrational Energy, and Characteristic Vibrational Temperature of Molecules and Molecular Ions""; ""F. Statistical Weight (Multiplicity), Rotational Energy, and Characteristic Rotational Temperature of Molecules and Molecular Ions""; ""IV. Classical Pattern of Binary Collisions of Particles""; ""V. Characteristic Dynamic Parameters""; ""A. Scales of Length and Time""; ""B. Characteristic Criteria""</p> <p>""VI. Particle Distribution over Velocities and Energy: Temperatures of Different Degrees of Freedom""""VII. Mean Relative Velocity of Particles in a Gas""; ""VIII. Partition Functions and the Mean Energy of Particles in a Gas""; ""A. Partition Functions""; ""B. Mean Energy of Particles (Per</p>

Particle)"; "C. Assumptions"; "IX. Heat of Reaction"; "X. Relation Between Particle Number and Gas Pressure"; "XI. Formulas for the Rate Constants of Specific Processes"; "A. Rate Constant for Arbitrary Energy Dependence of the Process Cross Section"
"B. Formulas for Cross Sections and Rate Constants" "References";
"Chapter 2 Elastic Collisions in Gases and Plasmas (T Models)"; "I. Elastic Collisions of Neutral Particles (X + Y-+X + Y)"; "A. Hard-Sphere Model (T.1)"; "B. Repulsive Power-Law Potential Model (T.2)"; "C. Hard-Sphere Model with Variable Diameter (T.3)"; "D. Model Based on Lennard-Jones Potential (T.4)"; "E. Model Based on Bonna-Mayer Potential (T.5)"; "F. Model of Attracting Particles (T.6)"; "II. Elastic Collisions Involving Charged Particles"
"A. Effective Radius Approximation for Electrona-Atom and Electrona-Molecule Collisions (T.7)"; "B. Classical Approximation for Electrona-Molecule Collisions (T.8)"; "C. Born Approximation for Electrona-Molecule Collisions (T.9)"; "D. Model of Electron Scattering by Molecule with High Dipole Moment (T.10)"; "E. Classical Approximation for Iona-Atom and Iona-Molecule Collisions (T.11)";
"F. Model Based on the Bonna-Mayer Repulsive Potential for Ion Collisions with Neutral Particles (T.12)"; "G. Model Based on the Shielded Coulomb Potential (T.13)"; "References"
"Chapter 3 Rotational Energy Exchange (R Models)"

2. Record Nr.	UNISA996418222503316
Titolo	Requirements Engineering: Foundation for Software Quality [[electronic resource]] : 26th International Working Conference, REFSQ 2020, Pisa, Italy, March 24–27, 2020, Proceedings // edited by Nazim Madhavji, Liliana Pasquale, Alessio Ferrari, Stefania Gnesi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-44429-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XV, 308 p. 85 illus., 48 illus. in color.)
Collana	Programming and Software Engineering ; ; 12045
Disciplina	005.1
Soggetti	Software engineering Artificial intelligence Application software User interfaces (Computer systems) Computer organization Software Engineering Artificial Intelligence Information Systems Applications (incl. Internet) User Interfaces and Human Computer Interaction Computer Systems Organization and Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Requirements Specification -- How do Quantifiers Affect the Quality of Requirements? -- Generation of Formal Requirements from Structured Natural Language -- Using Eye Tracking Data to Improve Requirements Specification Use -- Requirements Documentation -- Hearing the Voice of Software Practitioners on Causes, Effects, and Practices to Deal with Documentation Debt -- Innovation Workshop Documentation for Following Software Engineering Activities -- Industrial Practices on Requirements Reuse: An Interview-based Study -- Privacy and Legal Requirements -- Disambiguating Requirements through Syntax-Driven Semantic Analysis of Information Types -- On Understanding How Developers Perceive and Interpret Privacy Requirements Research

Preview -- A Methodology for Implementing the Formal Legal-GRL Framework: A Research Preview -- Stakeholders Feedback and Training -- Towards Integrating Data-Driven Requirements Engineering into the Software Development Process: A Vision Paper -- Identifying and Classifying User Requirements in Online Feedback via Crowdsourcing -- Designing a Virtual Client for Requirements Elicitation Interviews -- Agile Methods and Requirements Comprehension -- Explicit Alignment of Requirements and Architecture in Agile Development -- Applying Distributed Cognition Theory to Agile Requirements Engineering -- Automatic Word Embeddings-Based Glossary Term Extraction from Large-Sized Software Requirement -- Requirements Modelling -- Conceptualizing Requirements Using User Stories and Use Cases: A Controlled Experiment -- A Semi-Automated Approach to Generate an Adaptive Quality Attribute Relationship Matrix -- Evaluating the Effects of Different Requirements Representations on Writing Test Case -- Requirements Visualization -- Vision Meets Visualization: Are Animated Videos an Alternative? -- Requirements Assessment in Smart City Districts: A Motivation Concept for Citizens -- Visualizing Feature-Level Evolution in Product Lines: A Research Preview.

Sommario/riassunto

This book constitutes the proceedings of the 26th International Working Conference on Requirements Engineering - Foundation for Software Quality, REFSQ 2020, which was due to be held in Pisa, Italy, in March 2020. Due to the COVID-19 pandemic the conference was held virtually in June 2020. The 14 full papers and 7 short papers in this volume were carefully reviewed and selected from 84 submissions. The papers are organized in the following topical sections: requirements specification; requirements documentation; privacy and legal requirements; stakeholders feedback and training; agile methods and requirements comprehension; requirements modelling; requirements visualization.
