

1. Record Nr.	UNINA9910148708103321
Titolo	Railroads in the United States : considerations and development prospects // Charles E. Russel and Carol M. Wood, editors
Pubbl/distr/stampa	New York : , : Nova Publishers, , [2013] ©2013
ISBN	1-62257-728-0
Descrizione fisica	1 online resource (159 pages) : illustrations
Collana	Transportation infrastructure-roads, highways, bridges, airports and mass transit
Disciplina	385.312
Soggetti	Railroads - Right of way - United States Railroads - United States - Planning United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr.	UNINA9910709788403321
Titolo	Generic environmental impact statement for license renewal of nuclear plants . Supplement 58 Regarding River Bend Station, Unit 1 : draft report for comment
Pubbl/distr/stampa	Washington, DC : , : United States Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation, , May 2018
Descrizione fisica	1 online resource (401 unnumbered pages : color illustrations, maps (chiefly color))
Soggetti	Nuclear power plants - Licenses - Louisiana Nuclear power plants - Louisiana - Safety measures Nuclear power plants - Environmental aspects - Louisiana Environmental impact statements.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Manuscript completed: May 2018; date published: May 2018." "NUREG-1437, supplement 58." "Performing organization: Division of Materials and License Renewal, Office Nuclear Research, U.S. Nuclear Regulatory Commission"-- Bibliographic data sheet.
Nota di bibliografia	Includes bibliographical references and index.

3. Record Nr.	UNINA9910139821703321
Titolo	Granular Gases // edited by Thorsten Pöschel, Stefan Luding
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-44506-4
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (IX, 457 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 564
Disciplina	533/.2
Soggetti	Condensed matter Field theory (Physics) Statistical physics Dynamics Amorphous substances Complex fluids Mechanics Mechanics, Applied Condensed Matter Physics Classical and Continuum Physics Complex Systems Soft and Granular Matter, Complex Fluids and Microfluidics Theoretical and Applied Mechanics Statistical Physics and Dynamical Systems
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	Kinetic Theory and Hydrodynamics -- Kinetic Theory of Granular Gases -- Free Cooling of Particles with Rotational Degrees of Freedom -- Hydrodynamic Transport Coefficients of Granular Gases -- Granular Gases: Probing the Boundaries of Hydrodynamics -- Granular Gases with Impact-Velocity-Dependent Restitution Coefficient -- Boundary Conditions for Collisional Grain Flows at Bumpy, Frictional Walls -- Diffusion Process in Two-Dimensional Granular Gases -- Collisions and One-Dimensional Models -- Energy Loss and Aggregation Processes in Low Speed Collisions of Ice Particles Coated with Frosts or

Methanol/Water Mixtures -- Contact Mechanics and Coefficients of Restitution -- Kinetic Theory for 1D Granular Gases -- Chains of Viscoelastic Spheres -- Vibrated Granular Media -- Experimental Studies of Vibro-fluidised Granular Beds -- Pattern Formation in a Vibrated Granular Layer -- Experimental Study of a Granular Gas Fluidized by Vibrations -- Computer Simulation of Vertically Vibrated Granular Layers in a Box with Sawtooth-Shaped Base -- Resonance Oscillations in Granular Gases -- Granular Astrophysics -- Dynamical Evolution of Viscous Discs. Astrophysical Applications to the Formation of Planetary Systems and to the Confinement of Planetary Rings and Arcs -- Numerical Simulations of the Collisional Dynamics of Planetary Rings -- Formation of Narrow Ringlets in Saturn's Rings -- Granular Viscosity, Planetary Rings and Inelastic Particle Collisions -- Towards Dense Granular Systems -- The Equation of State for Almost Elastic, Smooth, Polydisperse Granular Gases for Arbitrary Density -- Experimental Observations of Non-equilibrium Distributions and Transitions in a 2D Granular Gas -- Effect of Excluded Volume and Anisotropy on Granular Statistics: "Fermi Statistics" and Condensation -- How Much Can We Simplify a System of Grains?.

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### Sommario/riassunto

"Granular Gases" are diluted many-particle systems in which the mean free path of the particles is much larger than the typical particle size, and where particle collisions occur dissipatively. The dissipation of kinetic energy can lead to effects such as the formation of clusters, anomalous diffusion and characteristic shock waves to name but a few. The book is organized as follows: Part I comprises the rigorous theoretical results for the dilute limit. The detailed properties of binary collisions are described in Part II. Part III contains experimental investigations of granular gases. Large-scale behaviour as found in astrophysical systems is discussed in Part IV. Part V, finally, deals with possible generalizations for dense granular systems.

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